

20040209.qrp v03_n191.qrl.20040209

Date: Mon, 9 Feb 2004 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3191

QRP-L Digest 3191

Topics covered in this issue include:

- 1) [167374] Re: Do rules apply to testers ?
by Rick McKee <kc8aon@juno.com>
- 2) [167375] Re: Don't Need no Steenkin' Mike!
by "pschweit" <pschweit@mninter.net>
- 3) [167376] Re: Licensing question ?
by "sjolin" <sjolin@swbell.net>
- 4) [167377] Re: Intervention Part II; tracking progress of small radios
by Bruce Muscolino <w6toy@erols.com>
- 5) [167378] HW8 schematic
by "john gabbard" <johngabbard@usintouch.com>
- 6) [167379] Re: Orlando
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
- 7) [167380] Re: Licensing question ?
by ultrafixedwing@juno.com
- 8) [167381] Re: Don't Need no Steenkin' Mike!
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 9) [167382] Re: Do rules apply to testers ?
by Bruce Muscolino <w6toy@erols.com>
- 10) [167383] Re: QRO - Not Blasphemous
by Bruce Muscolino <w6toy@erols.com>
- 11) [167384] RE: [qrp-l] Intervention Part II; tracking progress of small
radios
by Ed Tanton <n4xy@earthlink.net>
- 12) [167385] Re: Licensing question ?
by Bob Nielsen <nielsen@oz.net>
- 13) [167386] Re: Licensing question ?
by Karl Larsen <k5di@zianet.com>
- 14) [167387] RE: website
by "NA4FM \ (Buck\)" <na4fm-list@towncorp.net>
- 15) [167388] Fox - Fox Hunt Team Results...
by "ratray" <ratray@accesscomm.ca>
- 16) [167389] Re: Big contest!
by John Sielke <jsielke@pobox.com>
- 17) [167390] Re: Do rules apply to testers ?
by "sjolin" <sjolin@swbell.net>
- 18) [167391] Re: Licensing question ?
by Dan Harriman <kc5gxl@sbcglobal.net>

- 19) [167392] Elmer 160] Fixing The Pickle Encoder
by "Claton Cadmus" <ka0gkc@arrl.net>
- 20) [167393] A Tuner Tale, or How to Sprint Very Slowly
by kenneth hoglund <hoglund@wfu.edu>
- 21) [167394] Re: Big contest!
by Bob KB2FEL <kb2fel@yahoo.com>
- 22) [167395] Re: Do rules apply to testers ?
by "Bob Hightower" <rhightower@cox.net>
- 23) [167396] FYBO
by "Merton Nellis" <mertnellis@msn.com>
- 24) [167397] Re: Elmer 160] Fixing The Pickle Encoder
by "John J. McDonough" <wb8rcr@arrl.net>
- 25) [167398] DDS Setfreq program
by wa0goz@arrl.net
- 26) [167399] RE: Do rules apply to testers ?
by "NA4FM \ (Buck\)" <na4fm-list@towncorp.net>
- 27) [167400] Order status of PIC-EL kits
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 28) [167401] Re: A Tuner Tale, or How to Sprint Very Slowly
by "Bob Tellefsen" <n6wg@comcast.net>
- 29) [167402] Re: Elmer 160] Fixing The Pickle Encoder
by Mik Ishmael <mightymik2@comcast.net>
- 30) [167403] Help with MFJ 451 Keyboard Keyer
by "Mike Duke, K5XU" <k5xu@jam.rr.com>
- 31) [167404] Re: DDS Setfreq program
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 32) [167405] [Elmer 160] Quieter PIC-EL Diagnostic T-PICEL
by "Lew Paceley" <lew@paceley.com>
- 33) [167406] WTB - September 1964 "Electronics Illustrated" magazine
by "Ronald W. Evans" <cosmos41@ix.netcom.com>
- 34) [167407] Contesting Rules and QRP - New Topic
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 35) [167408] Re: Help with MFJ 451 Keyboard Keyer
by "Bill Jones" <kd7s@psnw.com>
- 36) [167409] Re: Big contest!
by "Thom R. Lacosta" <lacosta@bcpl.net>
- 37) [167410] Re: Do rules apply to testers ?
by "George, W5YR" <w5yr@att.net>
- 38) [167411] RE: Rock-Mite DX Happy Dance
by "Sverre Holm" <svholm2@broadpark.no>
- 39) [167412] DDS / SMD Solder Tip
by John R Kirby <n3aaz-qrp@juno.com>
- 40) [167413] Re: A Tuner Tale, or How to Sprint Very Slowly
by Karl Larsen <k5di@zianet.com>
- 41) [167414] Elmer 160 - Sharing code examples
by James R Giammanco <n5ib@juno.com>
- 42) [167415] Re: Elmer 160 - Sharing code examples
by <n2go@arrl.net>

- 43) [167416] PSK Problem (Long)
by Norman Young <normany@mindspring.com>
- 44) [167417] Re: DDS / SMD Solder Tip
by John Sielke <jsielke@pobox.com>
- 45) [167418] FS: PIC-EL & DDS
by Wayne Rogers <w5kdj@juno.com>
- 46) [167419] Re: A Tuner Tale, or How to Sprint Very Slowly
by John Sielke <jsielke@pobox.com>
- 47) [167420] AMATEUR'S CODE of CONDUCT
by Hank Kohl K8DD <k8dd@arrl.net>
- 48) [167421] Re: DDS / SMD Solder Tip
by Garey Barrell <k4oah@mindspring.com>
- 49) [167422] Re: Order status of PIC-EL kits
by Claudia & Reed Park <reedpark@nbnet.nb.ca>
- 50) [167423] Re: [fpqrp] Licensing question ?
by k8cz@att.net
- 51) [167424] Re: Contesting Rules and QRP - New Topic
by Bruce Muscolino <w6toy@erols.com>
- 52) [167425] Re: A Tuner Tale, or How to Sprint Very Slowly
by Bruce Muscolino <w6toy@erols.com>
- 53) [167426] Re: Contesting Rules and QRP - New Topic
by Lee Mairs <lmairs@direcway.com>
- 54) [167427] WTB or Trade for a tuner for my latest qrp radio!
by "Bart N5WL" <blawson2@cox.net>
- 55) [167428] Re: A Tuner Tale, or How to Sprint Very Slowly
by <w9ya@arrl.net>
- 56) [167429] Re: DDS / SMD Solder Tip
by "kennymac" <killmodell@earthlink.net>
- 57) [167430] Buddipole configuration
by ARDUJENSKI@aol.com
- 58) [167431] Losses for computer ribbon cable as a feedline?
by Michael Babineau <michael.babineau@sympatico.ca>
- 59) [167432] Shakespeare Wonderpole vs SD-20 as Antenna supports
by Michael Babineau <michael.babineau@sympatico.ca>
- 60) [167433] HW8 schematic wanted
by "john gabbard" <johngabbard@usintouch.com>
- 61) [167434] Re: PSK Problem (Long)
by John Kalotai <n1olo@yahoo.com>
- 62) [167435] RE: [fpqrp] Licensing question ?
by "JBCrafts" <jbcraft@adelphia.net>
- 63) [167436] w0rw/pm KX1 report on ARS web site
by W0rw@aol.com
- 64) [167437] Elmer 160: PIC-EL -- Manual
by "Bill Linn" <wlinn@smgazette.com>
- 65) [167438] Re: Losses for computer ribbon cable as a feedline?
by Michael Neverdosky <mikenever@earthlink.net>
- 66) [167439] St. Louis Vertical
by "John Cook" <otterc@earthlink.net>

- 67) [167440] RE: St. Louis Vertical
by "Steve Blary" <steve@eclipsecat.com>
- 68) [167441] Re: Contesting Rules and QRP - New Topic
by Howard Oakley <hoakley@btconnect.com>
- 69) [167442] RE: MFJ Tuner
by "jwsteven@concentric.net" <jwsteven@concentric.net>
- 70) [167443] Useful Oscilloscope
by Shawn Qrp <shawnqrp@yahoo.com>
- 71) [167444] RE: St. Louis Vertical
by "John Cook" <otterc@earthlink.net>
- 72) [167445] Fox: Fox Announcement for KV2X
by tjennin2@rochester.rr.com
- 73) [167446] Re: Useful Oscilloscope
by <w9ya@arrl.net>
- 74) [167447] Old Panasonic GX 400M radio
by Pat Byers and Jennifer Simpson <pbyers@rttinc.com>
- 75) [167448] Re: Useful Oscilloscope
by "John J. McDonough" <wb8rcr@arrl.net>
- 76) [167449] Re: Useful Oscilloscope
by Shawn Upton <kb1ckt@yahoo.com>
- 77) [167450] Re: Buy items from people you don't know
by John Sielke <jsielke@pobox.com>
- 78) [167451] Re: Elmer 160: PIC-EL -- Manual
by Lee Mairs <lmairs@direcway.com>
- 79) [167452] ONER pa
by Kenneth Laine Ketner <ketner@arisbeassociates.com>
- 80) [167453] Truffle announcement
by "Jerry Ford" <benlightnd13@mchsi.com>
- 81) [167454] Re: [Fwd: Feedline Loss; CPU Ribbon OK IF!]
by Michael Babineau <michael.babineau@sympatico.ca>
- 82) [167455] Solder Lugs
by "Jerry Ford" <benlightnd13@mchsi.com>
- 83) [167456] Re: Contesting Rules and QRP - New Topic
by George Fremin III <geoiii@kkn.net>
- 84) [167457] Re: Contesting Rules and QRP - New Topic
by Bruce Muscolino <w6toy@erols.com>
- 85) [167458] Tilted KX1 Holder
by W0rw@aol.com
- 86) [167459] Re: Buy items from people you don't know
by John Sielke <jsielke@pobox.com>
- 87) [167460] Re: Contesting Rules and QRP - New Topic
by Larry Cahoon <lejek@erols.com>
- 88) [167461] Re: Solder Lugs
by rjohnson390@comcast.net
- 89) [167462] Re: Solder Lugs
by Michael Neverdosky <mikenever@earthlink.net>
- 90) [167463] Homebrewer #2 UpForGrabs
by John R Kirby <n3aaz-qrp@juno.com>

- 91) [167464] FOX: Fox message for K5DI
by Karl Larsen <k5di@zianet.com>
- 92) [167465] Re: Solder Lugs
by Steven Weber <kd1jv@moose.ncia.net>
- 93) [167466] SDR-1000 flex-radio questions
by Chad Nelson <galahad@boisecenter.net>
- 94) [167467] Re: Buddipole configuration
by Bruce Muscolino <w6toy@erols.com>
- 95) [167468] RE: Solder Lugs
by "Jim Sheldon" <w0eb@cox.net>
- 96) [167469] Re: Feedline Loss; CPU Ribbon OK IF!
by "David Gauding" <david.gauding@bbs.galilei.com>
- 97) [167470] Solder Lugs
by "w0oow" <w0oow@piperscreek.com>

Date: Sun, 8 Feb 2004 18:43:49 -0500
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [167374] Re: Do rules apply to testers ?
Message-ID: <20040208.184544.10054.2.kc8aon@juno.com>

On Sun, 8 Feb 2004 15:49:39 -0600 "Nick Kennedy" <wa5bdu@tcainet.net>
writes:
>The rules against insulting a whole class of folks based on the
>actions of one don't apply to Rick!
<snip>

I beg your pardon sir ! I absolutely did not insult a "whole class of folks based on the actions of one" ! What I said is that the MAJORITY of testers these days seem to be doing it ! And this was not a result of one isolated incident either, I have seen the problem growing in the last few months, and witnessed it done by countless testers on almost every mode I've been on and had it done to me much too many times ! If it was only one isolated case, I would have forgotten it and moved on, but the problem keeps getting worse and worse, and making things right needs to start somewhere ! And yes, I've heard of 12, 17, & 30 meters thank you, but I shouldn't have to abandon my favorite band just because there is a contest going on ! I have as much right to be there as they do, and I have the right to operate without being interfered with the way they do too ! It sounds like I have stepped on a lot of toes with this one, and it also sounds like a lot of testers are advocating the poor operating practices I'm talking about too, because a lot of you are getting upset about it, but at the same time eluding the real subject of the matter ! SO, I'LL LIST MY COMPLAINT AGAIN AND "TRY" TO CLARIFY THINGS A BIT !

1. I DID NOT SAY ALL TESTERS ARE BAD OPERATORS - MOST ARE GOOD AND

POLITE !

2. THIS WAS NOT THE RESULT OF A CLASH WITH ONE OPERATOR, BUT HAS COME ON AFTER

SEVERAL CASES WHERE CONTESTERS HAVE RUINED AN OTHERWISE ENJOYABLE QSO BY CALLING CQ ON THE FREQUENCY I WAS HAVING A QSO ON !

3. WHAT I DID SAY, IS THAT THE RULES APPLY TO ALL, AND ALL SHOULD FOLLOW THEM,

I DON'T JUMP ON A BUSY FREQUENCY AND CALL CQ AND YOU SHOULDN'T EITHER !

EVERYONE SHOULD MAKE EVERY EFFORT POSSIBLE TO MAKE SURE THEY ARE NOT INTERFERING WITH OTHERS NO MATTER IF YOU ARE CONTESTING OR NOT !

4. WE AS AMATEURS SHOULD NEVER DO ANYTHING IN OUR OPERATING TO LESSEN THE

ENJOYMENT OF OTHERS ! IT WON'T HURT A BIT TO WAIT YOUR TURN - IF A FREQUENCY

IS BUSY, EITHER MOVE ON OR WAIT TIL IT IS CLEAR ! THAT'S NOT BEING UNREASONABLE !

IT'S JUST COMMON SENSE !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW-20+, SW-30+, SW-40+, Norcal BLT, Yaesu FT-7, Homebrew 6V6 tube TX
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists, MQFD #1
Monthly QRP Field Day info at : <http://www.smartgroups.com/groups/mqfd>
Without CW, it's only CB ! KNOW code - not - NO code !

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Date: Sun, 8 Feb 2004 17:50:14 -0600

From: "pschweit" <pschweit@mninter.net>

To: <Makos327@worldnet.att.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [167375] Re: Don't Need no Steenkin' Mike!

Message-ID: <002201c3ee9e\$4e0faf00\$c2e6add1@oemcomputer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

you mean you did not take a speaker and wire it in series with a small capacitor into your Microphone connector??

de K0CD

rob

----- Original Message -----

From: Lawrence Makoski <Makos327@worldnet.att.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, February 08, 2004 5:17 PM

Subject: Re: Don't Need no Steenkin' Mike!

> John,

>

> I was going to take a couple of hours and jump into the Sprint with my
> IC-751A set for 5W. But I can't find the mike !!! I must've spent
> 45 minutes looking for the blasted thing! I must have accidentally
> tossed it last year when I was doing a major basement cleaning. Sheeesh!

>

> 73 de Larry W2LJ - Vivat Morse!

>

> W2LJ@arrl.net

> <http://www.qsl.net/w2lj>

>

> ARRL Lifemember QRP ARCI #4488 NJQRP #47

> FISTS #1469 QRP-L #778 FP #612 QRPp-I #759

> ARS #1528 --- K1 #1647 --- AmQRP, CQC #746

>

>

> ----- Original Message -----

> From: "John Sielke" <jsielke@pobox.com>

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Sent: Sunday, February 08, 2004 3:57 PM

> Subject: Don't Need no Steenkin' Mike!

>

> > Now I remember why I love CW! I guess it's good to listen on SSB once
> > in awhile for a reality check.

> >

> > John W2AGN

> >

>

>

Date: Sun, 8 Feb 2004 17:51:55 -0600

From: "sjolin" <sjolin@swbell.net>

To: <kc8aon@juno.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [167376] Re: Licensing question ?

Message-ID: <0e8401c3ee9e\$890f7180\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I thought they were allowed to upgrade if they could provide a page from one of the Callbooks from the appropriate time period.

73 de Dave, N0IT

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, February 08, 2004 4:39 PM
Subject: Licensing question ?

> An acquaintance of mine was first licensed in 1963 as a technician and has
> taken the 5 wpm code test. All technicians with code prior to March 1987
> are supposed to be able to receive an automatic upgrade to general class
> by filling out FCC form 605 and taking it to a VE testing session along
> with copies of his original license and current license, pay the \$12
> testing fee and receive the upgrade. The problem is, he has misplaced
> his original and current license which is good til sometime in 2007
> according to the FCC database. Is there anyway he can still receive the
> upgrade without copies of the license ? Any of you ARRL guys got any
> ideas ?
>

Date: Sun, 08 Feb 2004 19:01:48 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: nilsbull@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [167377] Re: Intervention Part II; tracking progress of small radios
Message-ID: <4026CDEC.9C9C5C62@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nils,

You are going through the typical first timer's shakes with a circuit

board. Generally I suggest a cheaper approach toward circuit board manufacture for the first few!

I don't know what the prototype boards will cost, but I'd bet you could make your own a whole lot cheaper. And if you want to make a design change the next day, it is only a small matter, that doesn't cost a whole lot. There is plenty of time to have a board made later.

Parts cost the same whether you buy or build. There is no simple solution for this one. Also, many of the circuits for surface mount parts may have been copied from older through hole parts. I can remember several outboard BFO circuits for radios that do not have one. And I can remember a radio built with a single chip IC that had an outboard BFO in it.

Bruce

Date: Sun, 8 Feb 2004 16:11:44 -0800
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167378] HW8 schematic
Message-ID: <00cc01c3eea1\$4d681d00\$c1861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wish to thank all who made suggestions about the schematic. I will check it out. Best wishes, 73's John KF70M

Date: Sun, 08 Feb 2004 18:57:03 -0500
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
 "Tom Palmer" <n1tp@swfla.rr.com>
Subject: [167379] Re: Orlando
Message-ID: <4026867F.19099.1F1BE0C@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Are we gonna have a qrp meeting? Lunchtime on the midway?

On 8 Feb 2004 at 2:12, Tom Palmer wrote:

> Tom, N1TP, plans being there Saturday morning.
>
>
>

Date: Mon, 9 Feb 2004 00:11:15 GMT
From: ultrafixedwing@juno.com
To: qrp-l@Lehigh.EDU
Subject: [167380] Re: Licensing question ?
Message-ID: <20040208.161158.490.1321962@webmail25.nyc.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

A friend of mine has been a Novice since the early 80's but inactive. Does he keep the 5 WPM towards General? His license is current.

Thanks,
Paul
KS2S

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Date: Sun, 8 Feb 2004 19:17:55 -0500
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: "pschweit" <pschweit@mninter.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [167381] Re: Don't Need no Steenkin' Mike!
Message-ID: <001601c3eea2\$2b04bfb0\$98d64b0c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Naahhhhh it's not worth the effort! ;)

73 de Larry W2LJ - Vivat Morse!

W2LJ@arrl.net

<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPP-I #759
ARS #1528 --- K1 #1647 --- AmQRP, CQC #746

----- Original Message -----

From: "pschweit" <pschweit@mninter.net>

To: <Makos327@worldnet.att.net>; "Low Power Amateur Radio Discussion"
<qrp-l@lehigh.EDU>

Sent: Sunday, February 08, 2004 6:50 PM

Subject: Re: Don't Need no Steenkin' Mike!

> you mean you did not take a speaker and wire it in series with a small
> capacitor into your Microphone connector??

>

>

> de K0CD

> rob

Date: Sun, 08 Feb 2004 19:13:33 -0500

From: Bruce Muscolino <w6toy@erols.com>

To: kc8aon@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [167382] Re: Do rules apply to testers ?

Message-ID: <4026D0AD.F09584F@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

GOOD GRIEF, Rick,

You had one bad experience with a rude tester. Please be assured that he does not represent ALL testers. Most of them ALL are just like you; they want to enjoy their hobby. Their particular way of enjoying their hobby is testing, yours is QRP ragchewing. While

these may sound self exclusive, many folks DO enjoy both!

Name calling does not solve anything/

Bruce

>
> I guess testers think that rules do not apply to them ! This
> morning I was on 40 meters trying to work a little CW, and just when
> someone started answerer my CQ, someone with a 599 signal starts
> calling CQ TEST ! And before someone says it, yes he did hear me ! When
> I told him the frequency was busy (QRL), he sent "? ?", so I spelled it
> out - "THE FREQ IS IN USE", to which he replied "SO WHAT ?" and continued
> to call CQ TEST and then didn't give his callsign ! This type of
> operator and operating is what has turned me totally against contesting !
> Testers think that just because there is a contest going on that they
> have exclusive rights to the entire band ! I think that the
> restructuring that is going to take place should include provisions for
> limiting a SMALL slice of the band for testers and not allow them
> anywhere but the specified frequencies ! And if they are caught outside
> the specified range during a contest, they get disqualified ! They need
> to realize that not everyone is into contesting, and some folks can only
> get on during the weekends, and practice a little self restraint during
> the contests ! Go ahead and have your contests, but don't take up the
> whole stinking band in doing so ! And now the band is polluted with RTTY
> testers - GOOD GRIEF !
>
> 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
> SW-20+, SW-30+, SW-40+, Norcal BLT, Yaesu FT-7, Homebrew 6V6 tube TX
> QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists, MQFD #1
> Monthly QRP Field Day info at : <http://www.smartgroups.com/groups/mqfd>
> Without CW, it's only CB ! KNOW code - not - NO code !
>
> -----
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Date: Sun, 08 Feb 2004 19:35:23 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: thom2@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [167383] Re: QRO - Not Blasphemous
Message-ID: <4026D5CB.18AE6575@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Tom,

You don't say what type of rig or antenna you are using. Improving your antenna can make a real difference in received and transmitted signals. But assuming you are using a more or less standard type of antenna, getting it up another 30 feet, or maybe moved it away from other large objects may not increase your signal all that much. If you are using some portable or temporary antenna a real antenna will help.

Rig improvements may raise your signal more for less effort on your part. Now I know there are many excellent QRP radios around. Their receivers will come out within 3 to 6 dB of each other. And that is about the maximum you can hope for strictly from the receiver.

Yes, I know about multiple conversion and filters, especially DSP. They can work wonders separating signals and preventing images, but that is really about their limit. However, a shameless plug for my favorite type radio, the QRO transceiver. I have used one for nearly 30 years, starting with a TS-520; my current love is a TS-850. All of these radios can be run at QRP levels, but offer better receivers than most QRP rigs, and allow multiple modes. They are often multiple conversions and have accessories available. And they can run QRO power levels if wanted.

Try one, you might find it will grow on you.

Bruce

Date: Sun, 08 Feb 2004 19:41:59 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [167384] RE: [qrp-l] Intervention Part II; tracking progress of small
radios
Message-ID: <6.0.3.0.2.20040208193843.01e2e5f0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

It depends on where the fun is for a person Nick. People sometimes use the term 'appliance operator' derogatorily, but the fun for 'them' is likely to be in operating. I would like to think there's room for the entire gamut

from totally HMBW to totally OPR.

///
snip

>Starting to realize that for the money spent experimenting and
>homebrewing, you could have bought a nice radio? Or several nice
>radios?

>

>Better increase your medication about 50%.

>

>72--Nick, WA5BDU

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 8 Feb 2004 17:02:27 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [167385] Re: Licensing question ?
Message-ID: <20040209010227.GA15289@bob>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Feb 09, 2004 at 12:11:15AM +0000, ultrafixedwing@juno.com wrote:

>

> A friend of mine has been a Novice since the early 80's but inactive. Does he keep the 5 WPM towards General? His license is current.

Yes (per the ARRL VEC manual).

Date: Sun, 8 Feb 2004 18:15:29 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: ultrafixedwing@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167386] Re: Licensing question ?
Message-ID: <Pine.LNX.4.44.0402081812570.5329-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 9 Feb 2004 ultrafixedwing@juno.com wrote:

>

> A friend of mine has been a Novice since the early 80's but inactive. Does he keep the 5 WPM towards General? His license is current.

Yes Paul, if he plans to remain a Ham he needs to keep his Novice current and it will count as CW element 1 towards a General NOW, and may just become a General after the ARRL proposal becomes law.

>

> Thanks,

> Paul

> KS2S

>

>

> -----
> The best thing to hit the Internet in years - Juno SpeedBand!

> Surf the Web up to FIVE TIMES FASTER!

> Only \$14.95/ month - visit www.juno.com to sign up today!

>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Sun, 8 Feb 2004 20:08:33 -0500
From: "NA4FM \ (Buck\)" <na4fm-list@towncorp.net>
To: <nr5a@rap.midco.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [167387] RE: website
Message-ID: <000101c3eea9\$41769500\$6401a8c0@deer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Congratulations on your website! :) Even though there is little on there, I learned about a new antenna and a new version of KOCH cw trainer available on G4FON's site.

Sorry if I have little interest in your old novice rig, but 2 out of 3 isn't bad is it?

:)

I hope you find all the parts you need.

My first rig was an old Heath Kit crystal rig with a strange off-brand vfo that radiated more power output than the rig I think. I used Frequency Shift Keying rather than cw and when I got on the air, three neighborhood hams had to get off the air. Lol. I am not interested in rebuilding my first novice station either! However, I did always want to try my hand with an HW-7 qrp rig, that is until I finally received one last year. Now I want to sell it. It's ok rig, but I have a hard time getting through the shortwave station on the preselector.

I am running a swan 350 rite now and would like to get an IC706IIG and some sort of usable qrp rig as well.

Well, time will work that all out.

I haven't put up a ham website yet, it may come in time, but everyone has to start somewhere and you have a good start. Not only good, but useful.

73's for now, hope to cu on the log some day.

Buck

> -----Original Message-----
> From: NR5A [mailto:nr5a@rap.midco.net]

> Sent: Friday, February 06, 2004 9:46 PM
> To: Low Power Amateur Radio Discussion
> Subject: website
>
>
> I've got a website started, its not much right now but does
> show the beginnings of a Scrounger transmitter, and a Miracle
> Whip Clone type of antenna..
> http://www.geocities.com/nr5a_jerry/index.html
>
> Jerry - NR5A
>
>
>
>

Date: Sun, 8 Feb 2004 19:16:53 -0600
From: "ratray" <ratray@accesscomm.ca>
To: "QRP-C" <qrp-canada@neale.gpfn.sk.ca>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [167388] Fox - Fox Hunt Team Results...
Message-ID: <000001c3eeaa\$69fac900\$7900a8c0@Bonnie>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hunt # 30 - N1FN -

QRP Cheeseheads - 97

Jerry - N9AW *
Rick - NK9G * Clean
Gary - W9XT * Sweep
Lon - W9XU *
Jim - WA9TZE *

Cajun Thunder - 97

Wayne - K5EOA *
Wayne - N5YFC *
Vern - AA50
Jim - N5IB *
Chris - KD5UDB *

The Underdogs - 97

Dan - N4ROA *
Dennis - N4DD * Clean
Bob - KB2FEL * Sweep
Dave - W0CH *
Ron - KI0II *

Team Air Pork - 63

Wayne - K9DI
Mike - KD5KXF
Dave - AG4PJ *
Randy - W9HL
Jerry - N0JRN *

Raiders of the Lost RF - 50

The NE-TX Tornados - 123

Rob - VE6JAZ *

Bill - K5JHP *

Craig - VE4WI

Don - K5DW * Clean

Fred - VE3FAL

Doc - W5TB * Sweep

Earl - VA6RF

Lew - N5ZE *

Bruce - VE5RC *

George -W5YR *

...please e-mail me direct with corrections, changes...tnx....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 08 Feb 2004 20:20:14 -0500

From: John Sielke <jsielke@pobox.com>

To: qrp-l@lehigh.edu

Subject: [167389] Re: Big contest!

Message-ID: <4026E04E.9070703@pobox.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1; format=flowed

Content-Transfer-Encoding: 7bit

>

>

>I was checking the ARRL web page contest section and learned

>that the ARRL International DX Contest, CW will occur beginning

>0000ZFeb21 and ending 2400Feb22 2004. The rules are in the last December
>QST.
>

Wow, Just what we needed! Another contest for the 2KW+++ Multi Mega
Dollar Multi Op Multi Transmitter stations! Probably all calling CQ on
top of the QRP frequencies, too. I'll fix 'em. I'm gonna fire up my K2
and call CQ DX on 14.003, so there! Might even crank it up to 6 watts!

John W2AGN

Date: Sun, 8 Feb 2004 19:38:38 -0600
From: "sjolin" <sjolin@swbell.net>
To: <kc8aon@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167390] Re: Do rules apply to testers ?
Message-ID: <0eb001c3eead\$719ec7d0\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Frankly Rick, Im sick of this whole discussion and this is my last post.

Testers have done more the hobby than any ten ragchewers ever have. All
ragchewers do is take up space and whine about how great things were in the
old days when spark was king. They could pick up their telephone and do the
same thing without wasting so much precious spectrum.

Who do you think designed the big antenna arrays, new propagation modes and
interface equipment. Who do you think demanded better receivers for our busy
bands. It wasnt the whiners that cant find a clear frequency in a specific
section of 40 meters. Try another frequency. You have an advanced class
license, I presume you know how a band switch and VFO operate. How about
computers? Part of the surge for personal computers among hams came because
of testers and DXers. Who do you think created much of the software
allowing RTTY and other digital modes via soundcard.

For those out there interested even a little in DX or awards, I know your
not, contests provide a steady source of dx and hard to get states. They
provide activity which most people seem to think is a good thing. Except in
your case, you are incapable of dealing with more than one station per ten
khz of spectrum. Ever hear of two meters?

73 de Dave, N0IT

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, February 08, 2004 5:43 PM

Subject: Re: Do rules apply to testers ?

> On Sun, 8 Feb 2004 15:49:39 -0600 "Nick Kennedy" <wa5bdu@tcainternet.com>

> writes:

> >The rules against insulting a whole class of folks based on the

> >actions of one don't apply to Rick!

> <snip>

>

> I beg your pardon sir ! I absolutely did not insult a "whole class of
> folks based on the actions of one" ! What I said is that the MAJORITY of
> testers these days seem to be doing it ! And this was not a result of
> one isolated incident either, I have seen the problem growing in the last
> few months, and witnessed it done by countless testers on almost every
> mode I've been on and had it done to me much too many times ! If it was
> only one isolated case, I would have forgotten it and moved on, but the
> problem keeps getting worse and worse, and making things right needs to
> start somewhere ! And yes, I've heard of 12, 17, & 30 meters thank you,
> but I shouldn't have to abandon my favorite band just because there is a
> contest going on ! I have as much right to be there as they do, and I
> have the right to operate without being interfered with the way they do
> too ! It sounds like I have stepped on a lot of toes with this one, and
> it also sounds like a lot of testers are advocating the poor operating
> practices I'm talking about too, because a lot of you are getting upset
> about it, but at the same time eluding the real subject of the matter !
> SO, I'LL LIST MY COMPLAINT AGAIN AND "TRY" TO CLARIFY THINGS A BIT !

>

> 1. I DID NOT SAY ALL TESTERS ARE BAD OPERATORS - MOST ARE GOOD AND
> POLITE !

> 2. THIS WAS NOT THE RESULT OF A CLASH WITH ONE OPERATOR, BUT HAS COME ON
> AFTER

> SEVERAL CASES WHERE TESTERS HAVE RUINED AN OTHERWISE ENJOYABLE
> QSO BY CALLING CQ ON THE FREQUENCY I WAS HAVING A QSO ON !

> 3. WHAT I DID SAY, IS THAT THE RULES APPLY TO ALL, AND ALL SHOULD FOLLOW
> THEM,

> I DON'T JUMP ON A BUSY FREQUENCY AND CALL CQ AND YOU SHOULDN'T
> EITHER !

> EVERYONE SHOULD MAKE EVERY EFFORT POSSIBLE TO MAKE SURE THEY ARE NOT
> INTERFERING WITH OTHERS NO MATTER IF YOU ARE TESTING OR NOT !

> 4. WE AS AMATEURS SHOULD NEVER DO ANYTHING IN OUR OPERATING TO LESSEN
> THE

> ENJOYMENT OF OTHERS ! IT WON'T HURT A BIT TO WAIT YOUR TURN - IF A
> FREQUENCY

> IS BUSY, EITHER MOVE ON OR WAIT TIL IT IS CLEAR ! THAT'S NOT BEING
> UNREASONABLE !
> IT'S JUST COMMON SENSE !
>
> 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
> SW-20+, SW-30+, SW-40+, Norcal BLT, Yaesu FT-7, Homebrew 6V6 tube TX
> QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists, MQFD #1
> Monthly QRP Field Day info at : <http://www.smartgroups.com/groups/mqfd>
> Without CW, it's only CB ! KNOW code - not - NO code !
>
>
> -----
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> Only \$14.95/ month - visit www.juno.com to sign up today!
>

Date: Sun, 08 Feb 2004 20:37:54 -0600
From: Dan Harriman <kc5gxl@sbcglobal.net>
To: qrp-l@Lehigh.EDU
Subject: [167391] Re: Licensing question ?
Message-ID: <6.0.1.1.1.20040208203346.0324a650@pop.sbcglobal.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Rick et al;

QRZ has a page where one can look up a license from 1993. The ULS site will let you see when the license was first issued too. Maybe a copy of that page will assist in letting the VE team know when the license was first issued and any changes made to it.

Just a thought.

72

Dan Harriman
Orange, Texas

At 16:39 02/08/2004, you wrote:

>An acquaintance of mine was first licensed in 1963 as a technician and has
>taken the 5 wpm code test. All technicians with code prior to March 1987
>are supposed to be able to receive an automatic upgrade to general class

>by filling out FCC form 605 and taking it to a VE testing session along
>with copies of his original license and current license, pay the \$12
>testing fee and receive the upgrade. The problem is, he has misplaced
>his original and current license which is good til sometime in 2007
>according to the FCC database. Is there anyway he can still receive the
>upgrade without copies of the license ? Any of you ARRL guys got any
>ideas ?

>

>72/73 de: Rick McKee, KC8A0N

=====

Proud member of QRP-ARCI # 9126; QRP-L # 431; ARS # 25; FISTS # 1572;
QRPP-1 # 702; 1010 Int.; FP # 555; SOC # 569; NETXQRP # 45; ARRL; ARRL-VE;
AMQRP; RU-QRP # 43; MQFD # 5; grid EM30cc

-

If at first you don't succeed, maybe you shouldn't try
sky-diving! dit dit

=====

Date: Sun, 08 Feb 2004 20:36:15 -0600
From: "Claton Cadmus" <ka0gkc@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
 ham-pic@qth.net
Subject: [167392] Elmer 160] Fixing The Pickle Encoder
Message-ID: <40269DBF.1644.149E1BC6@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

OK my first mod for the Pic-El. As must of you are aware the pickle encoder seems
to
count 4 for every detent. The solution is to remove the detent.

Warning: This may destroy your encoder. You are on your own.

The hardest part of this mod is removing the encoder if you've already soldered it
in. :-(

With the shaft of the encoder facing down, make sure that both mounting tabs are
bent

slightly to the outside. With a very small flat blade screwdriver carefully pry
up the four

metal tabs on the bottom of the encoder. Lift the black plastic housing off and
set aside.

(a quick look on the inside of the housing and the end of the shaft will reveal

how simple
this encoder is.) Lift the shaft up and out of the metal housing. See the copper
colored
square piece? This is the detent spring. Remove and discard it. Reassemble the
encoder and use a small needle nose the press the four metals tabs back down.
Straight
the mounting tabs back and install in the Pic-El board.

Put a nice sized knob on the encoder shaft and you should be able to see nice
smooth
single counts. YMMV!

73 de Cla KA0GKC

Date: Sun, 08 Feb 2004 21:36:05 -0500
From: kenneth hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167393] A Tuner Tale, or How to Sprint Very Slowly
Message-ID: <4026F215.9010209@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

If you have no interest in problems trying for field operations, delete
now. However, if you enjoy reading about the misadventures of others,
this is for you.

The plan for today's Fireside Sprint was to head up to the top of Pilot
Mountain on a mild, sunny day and play radio. Las night erected and
checked out the inverted-V dipole: worked fine but getting it to tune on
20m was touchier than usual. Checked batteries--one was a bit down so
put it on the charger overnight. Checked the state park's website to see
if there were any last-minute conditions that could impact operations:
none listed. I thought I had the bases covered.

Left just a few minutes later than I had intended, but with Cassandra
Wilson on the CD, clear-as-a-bell blue sky, and abundant, glorious
Carolina sunshine, who cared? As I neared the mountain, I could see the
Blue Ridge Mtns in the distance--I was going to have some spectacular
views to fill up the time when QRM was messing with my activities!
Entered the park and began climbing the road to the summit--it was
blocked off. Seems some ice formed in shaded areas overnight and the
aire temp wasn't enough to melt it. Well, plan B would call for finding
an open campsite on the side of the mountain and operate from an
available picnic table---no views, but pleasant enough. Nope--that road
was closed as well.

Back down the mountain, back towards home, and figured I'd do the time-honored QRP from the Deck. Got home, got the V up, hosed the antler to the tuner to the White Mountain 20, popped a battery on the rig, plugged in the headphones and....static. Lot's of static. Hardly a discernable signal heard. Rechecked the tuner to make sure the settings were still where I had determined the V tuned best the night before, and yup--nothing had moved.

I tuned around until I heard a fairly strong signal, then messed with the tuner until the signal was as strong as possible, and noticed most of the static had gone away, and there were considerably more ops on the air than I heard before. I couldn't tune up by checked SWR because I have a cheapy Radio Shack meter that needs about 4 watts to register anything, and the WM doesn't have that much punch. The tuner was now at settings widely varient from where I had tested this antler before. Called some more but still no takers.

Ok, it's 2 hours into the contest, and no QSOs. Time for desperate measures. I disassembled the apparatus, and headed into the shack to load the big rig, a K'wood TS-180 online. Got the tuner back in place, the attic dipoles hosed up, rechecked connections and kicked the 180 on.

Went to tune for 20m and the "usual and customary" settings were no where near my usual 1.2/1. Started fiddling with the tuner and noticed just touching one of the dials caused the SWR to fluctuate. After several efforts I got the SWR to 2/1 and began calling and pouncing. Much frustration, but made a few QSO's.

As my patience was wanning, I began thinking about the behavior of the tuner and how much trouble it was to get a match to either of the antennas. So I took the tuner completely out of line, and hosed the meter right up to the feedline for the attic dipole---sure enough, easy 1.5/1. Looks like the tuner is the problem.

Some of you may recall a question I posted to the list some months back about changing impedance in a transceiver--I suddenly had troubles getting the TS-180 tuned up. Got lot's of good ideas from folks, but never did locate the problem exactly. Well, now I have it located--an intermittent something in the tuner that causes a significant mismatch.

The tuner is an MFJ-901B. The touchy dial is the one for the transmitter side of the tuner. Anyone have some ideas on how to test a tuner, or what to look for when I rip into this box?

TNX in advance,

Ken KG4FGC

Date: Sun, 8 Feb 2004 18:36:38 -0800 (PST)
From: Bob KB2FEL <kb2fel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167394] Re: Big contest!
Message-ID: <20040209023638.64335.qmail@web60505.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- John Sielke <jsielke@pobox.com> wrote:
> >I was checking the ARRL web page contest section
> and learned
> >that the ARRL International DX Contest, CW will
> occur beginning
> >0000ZFeb21 and ending 2400Feb22 2004. The rules are
> in the last December
> >QST.
>
> Wow, Just what we needed! Another contest for the
> 2KW+++ Multi Mega
> Dollar Multi Op Multi Transmitter stations!
> Probably all calling CQ on
> top of the QRP frequencies, too. I'll fix 'em. I'm
> gonna fire up my K2
> and call CQ DX on 14.003, so there! Might even crank
> it up to 6 watts!
>
> John W2AGN

Go Getem John... Let the Heterodynes Fly... Hi Hi

72
Bob
KB2FEL

<http://www.geocities.com/kb2fel/kb2felqrp.html>

Do you Yahoo!?
Yahoo! Finance: Get your refund fast by filing online.
<http://taxes.yahoo.com/filing.html>

Date: Sun, 8 Feb 2004 19:47:42 -0700
From: "Bob Hightower" <rhightower@cox.net>
To: <kc8aon@juno.com>
Cc: "qrp" <qrp-1@lehigh.edu>
Subject: [167395] Re: Do rules apply to contesters ?
Message-ID: <002701c3eeb7\$17740090\$6501a8c0@Bobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, February 08, 2004 4:43 PM
Subject: Re: Do rules apply to contesters ?

> 2. THIS WAS NOT THE RESULT OF A CLASH WITH ONE OPERATOR, BUT HAS COME ON
> AFTER
> SEVERAL CASES WHERE CONTESTERS HAVE RUINED AN OTHERWISE ENJOYABLE
> QSO BY CALLING CQ ON THE FREQUENCY I WAS HAVING A QSO ON !
> 3. WHAT I DID SAY, IS THAT THE RULES APPLY TO ALL, AND ALL SHOULD FOLLOW
> THEM,
> I DON'T JUMP ON A BUSY FREQUENCY AND CALL CQ AND YOU SHOULDN'T
> EITHER !
> EVERYONE SHOULD MAKE EVERY EFFORT POSSIBLE TO MAKE SURE THEY ARE NOT
> INTERFERING WITH OTHERS NO MATTER IF YOU ARE CONTESTING OR NOT !

Are you saying that your signal is so strong that everyone out there can hear that you are in qso on a freq?

Kinda hard to believe.

Do you hear everyone else out there so as to know which freqs to avoid? I don't think so.

Bob NK7M

Date: Sun, 08 Feb 2004 21:07:14 -0600

From: "Merton Nellis" <mertnellis@msn.com>
To: qrp-1@lehigh.edu
Subject: [167396] FYBO
Message-ID: <BAY3-F37WrGW6Ex3Akw000050be@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks for the contacts from the frozen paddles.

The MNQRP Club decided that this year we would step back from the serious competition and let some of the other participants take the spotlight. So we had a very nice casual, relaxed event by operating a K-1 at 5W from the comfort of the club room in the Minnetonka City Hall.

Our log will be submitted to the AZ Scorpions showing that we made 33 contacts using five operators. The following operators made the contacts indicated by each.

Craig, AA0ZZ	8
Dave, K0TCP	2
Larry, KB0R	11
Mert, W0UFO	8
Wayne, KB0PCI	4

Operators took time out for the regular monthly MNQRP meeting, as well as for a great pot luck lunch and, of course for many fascinating stories by operators and visiting kibitzers as well.

BUT....Watch out for next year!

73/72 MNQRP de W0UFO

w0ufo@arrl.net

Keep up with high-tech trends here at "Hook'd on Technology."
<http://special.msn.com/msnbc/hookedontech.armx>

Date: Sun, 8 Feb 2004 22:17:14 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <ka0gkc@arrl.net>
Subject: [167397] Re: Elmer 160] Fixing The Pickle Encoder
Message-ID: <007601c3eebb\$37b15750\$090044c0@BrianBoru>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The software fix is probably easier, but it doesn't give you the nice, smooth-turning feel!

I'll have to explore this with some other encoders. I have yet to find a reasonably priced encoder with no detents and reasonable resolution. Some of the best buys resolution-wise have these horrible, serious detents.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Claton Cadmus" <ka0gkc@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, February 08, 2004 9:36 PM
Subject: Elmer 160] Fixing The Pickle Encoder

> OK my first mod for the Pic-El. As must of you are aware the pickle encoder seems to
> count 4 for every detent. The solution is to remove the detent.
>
> Warning: This may destroy your encoder. You are on your own.
>
> The hardest part of this mod is removing the encoder if you've already soldered it in. :-(
> With the shaft of the encoder facing down, make sure that both mounting tabs are bent
> slightly to the outside. With a very small flat blade screwdriver carefully pry up the four
> metal tabs on the bottom of the encoder. Lift the black plastic housing off and set aside.
> (a quick look on the inside of the housing and the end of the shaft will reveal how simple
> this encoder is.) Lift the shaft up and out of the metal housing. See the copper colored
> square piece? This is the detent spring. Remove and discard it. Reassemble the
> encoder and use a small needle nose the press the four metals tabs back down. Straight
> the mounting tabs back and install in the Pic-El board.
>
> Put a nice sized knob on the encoder shaft and you should be able to see nice smooth

> single counts. YMMV!
>
> 73 de Cla KA0GKC
>

Date: Sun, 08 Feb 2004 21:20:11 -0600
From: wa0goz@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [167398] DDS Setfreq program
Message-ID: <4026FC6B.1BCF@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there a way to make the Setfreq program for the DDS board to come up with TTL Clock Frequency at 100000000 instead of the default 60000000?

Since the oscillator is running at 100000000, it would be nice not to have to change that 60000000 every time.

Thanks

Henry WA0GOZ

Date: Sun, 8 Feb 2004 22:25:46 -0500
From: "NA4FM \ (Buck\)" <na4fm-list@towncorp.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [167399] RE: Do rules apply to testers ?
Message-ID: <000001c3eebc\$6ca71f20\$6401a8c0@deer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

No, rules don't apply to testers. Don't believe me? Just listen and see the answer by their actions.

There are considerate and inconsiderate operators in all phases of amateur radio, as well as in life in general.

While I would love to see all contests limited to only portions of each ham band, I just have to turn the rig off during contests or join in

myself. Contests get busy, exciting and stressful very quickly. The band is cluttered and many operators are alligators (all mouth and no ears). Sometimes band conditions just change and what wasn't there is suddenly there.

There are a thousand reasons someone else might not hear our QSO in progress, especially when we are QRP. But, that's one of the challenges of QRP. If you want to maintain a QSO during a big contest, maybe you should get a QRO rig and a heavy amp, then your presence will not be so hard to notice.

I operate a Swan 350 most of the time with about a 400 watt punch. I can't count the number of times someone didn't hear me, but then, I often get thru the conditions when I call a DX or other station.

The real problem I have is when I call CQ on it and a QRP reading me 5-9 tries to get back to me thru the QRM or pileup. It has a good receiver but on a low dipole and sitting next to the computer (rf noisy computer) it is a real challenge to pull the station out. Sometimes its hard to be the alligator in the pool, and sometimes it is an advantage.

I have been pleasantly surprised to hear once in a while, someone come back 55 - 59 and tell me they are working QRP on a hand-held antenna or mobile. I have heard it so often, that I have started gearing up to get a portable QRP rig on the air myself.

Back to the subject, Yes, Legally, the rules apply to all, but in practice, we have to work around the problems or reduce the length of our lives stressing ourselves out over it.

Buck

Date: Sun, 8 Feb 2004 22:28:35 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "NJQRP" <njqrp@njqrp.org>
Subject: [167400] Order status of PIC-EL kits
Message-ID: <015f01c3eebc\$d5e62d00\$6400a8c0@n2apb1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We've now developed a quick 'n easy way for homebrewers to check the status of a PIC-EL Kit order!

Just go to <http://www.amqrp.org/elmer160/board/picelstatus.html> and enter one or more words of your name or mailing address and you'll immediately see the status of your order with us, including the date your kit shipped (or will ship). Couldn't be easier.

Automated order status checking will soon come online for other kits too: DDS Daughtercard, Micro908 Antenna Analyzer, Pad Cutters, Audio Amps, etc.

73, George N2APB n2apb@amqrp.org
for the AmQRP Club at www.amqrp.org

Date: Sun, 8 Feb 2004 19:36:49 -0800
From: "Bob Tellefsen" <n6wg@comcast.net>
To: <hoglund@wfu.edu>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167401] Re: A Tuner Tale, or How to Sprint Very Slowly
Message-ID: <[001601c3eebd\\$f739dd20\\$c8c2fea9@attbi.com](mailto:001601c3eebd$f739dd20$c8c2fea9@attbi.com)>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ken

Use an ohmmeter across the touchy capacitor.
It sounds like you have a barely touching short between the rotor and the stator of the capacitor.
If you can get it near an air hose, you can try blowing out any contamination that might have slipped in between the plates. Otherwise, you may have to remove the cap and check it carefully for mechanical alignment.
Good luck and 73
Bob N6WG

Date: Sun, 8 Feb 2004 19:46:33 -0800
From: Mik Ishmael <mightymik2@comcast.net>
To: ka0gkc@arrl.net
Cc: Low Discussion <qrp-1@lehigh.edu>
Subject: [167402] Re: Elmer 160] Fixing The Pickle Encoder
Message-ID: <8D75D68C-5AB2-11D8-8CCC-000A277EDE44@comcast.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v553)

Content-Transfer-Encoding: 7bit

This is very similar to the tuning mod for the Radio Shack DX398 /
Sangean 909.

On Sunday, February 8, 2004, at 06:36 PM, Claton Cadmus wrote:

> OK my first mod for the Pic-El. As must of you are aware the pickle
> encoder seems to
> count 4 for every detent. The solution is to remove the detent.
>
> Warning: This may destroy your encoder. You are on your own.
>
> The hardest part of this mod is removing the encoder if you've already
> soldered it in. :-(
> With the shaft of the encoder facing down, make sure that both
> mounting tabs are bent
> slightly to the outside. With a very small flat blade screwdriver
> carefully pry up the four
> metal tabs on the bottom of the encoder. Lift the black plastic
> housing off and set aside.
> (a quick look on the inside of the housing and the end of the shaft
> will reveal how simple
> this encoder is.) Lift the shaft up and out of the metal housing.
> See the copper colored
> square piece? This is the detent spring. Remove and discard it.
> Reassemble the
> encoder and use a small needle nose the press the four metals tabs
> back down. Straight
> the mounting tabs back and install in the Pic-El board.
>
> Put a nice sized knob on the encoder shaft and you should be able to
> see nice smooth
> single counts. YMMV!
>
> 73 de Cla KA0GKC
>

Date: Sun, 8 Feb 2004 21:50:24 -0600
From: "Mike Duke, K5XU" <k5xu@jam.rr.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [167403] Help with MFJ 451 Keyboard Keyer
Message-ID: <010101c3eebf\$dcd7cbc0\$83d0a418@jam.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you have either the 451, or the larger Keyboard keyer with the display,
and can find your manual, please e-mail me off list.

I have misplaced my manual, and can't remember how to make a message repeat.

Mike Duke, K5XU
American Council of Blind Radio Amateurs

Date: Sun, 8 Feb 2004 23:02:35 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [167404] Re: DDS Setfreq program
Message-ID: <019601c3eec1\$8f20dbe0\$6400a8c0@n2apb1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The designer of SetDDS is Douglas Quagliana, KA2UPW, email:
Dquagliana@aol.com

73, George N2APB

Date: Sun, 8 Feb 2004 22:08:01 -0600
From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <n2apb@amqrp.org>, "Lew Paceley" <lew@paceley.com>
Subject: [167405] [Elmer 160] Quieter PIC-EL Diagnostic T-PICEL
Message-ID: <00ec01c3eec2\$5d54a3c0\$6501a8c0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Folks,
I made two small mods to the diagnostic software that John, WB8RCR,

created for the PIC-EL.

- 1) I turned off the chirp at the beginning of every test
- 2) I modified the speaker test to only play the single, lowest note on the scale. The speaker efficiency seems lowest at low frequencies so it's quieter as a result of the change. If the PIC-EL will play the single 261 Hz tone then your speaker is probably working just fine.

You can find the latest T-PICEL source/hex software (V3.4) here:
<<http://www.amqrp.org/elmer160/board/manual/T-PICEL.zip>>

If you'd like the hex file for the quieter version of John's code please contact me directly offlist and I'll email the 5 KB hex file to you. You'll then need to flash the code with FPP.

Back to my encoder debounce routine :)

72/73,
Lew
N5ZE

PS - Thanks for the shortcuts on the AMQRP home page George!!

Date: Sun, 08 Feb 2004 22:26:51 -0600
From: "Ronald W. Evans" <cosmos41@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167406] WTB - September 1964 "Electronics Illustrated" magazine
Message-ID: <40270C0B.7060705@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Will buy your unwanted Sept '64 "Electronics Illustrated" mag or pay for copying an article contained in that issue. (article on low power tube rig) Please contact me off list. Thanks a ton!

72/73,

Ron - K5MVR

***** Ron Evans *****
K5MVR (ex-KD5S) - Loving the "glow" since 1957

Fort Worth, TX "Where the West Begins"
mailto:cosmos41@ix.netcom.com
<http://www.geocities.com/sweetvengeance>
ARRL, 4SQRP, ARS #1595, FP #694
<http://www.arsqrp.com>

Date: Sun, 08 Feb 2004 23:36:35 -0500
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [167407] Contesting Rules and QRP - New Topic
Message-ID: <Law11-F55Sa1aNEVJpj00002214@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

What follows is NOT related to the previous topic on contesting <grin>!

Am I the only one who thinks that the rules need to be changed in regards to entry classes in the "major events"? First of all, for those that do enjoy SSB QRP, shouldn't the power level be changed to 10w PEP per the QRP-ARCI "standard" rather than the 5w level now? I agree on the 5w for CW as that is the standard, but SSB needs to have it the level raised up to 10w IMHO.

Second, I think that there currently exists a problem with the entry classes in the "majors" for Single Op Assisted. I know that some view the use of "spotting networks" as a tool of the devil, but QRPer's that would like to/do use them are in the same "class" as those using them and running full legal limit! In the Single Op Unassisted classes, they have power levels - QRP, Low and High - but there are no power levels in Single Op Assisted classes. I think that this is just flat out wrong! If there exists a need for separate categories in SO Unassisted to "level the playing field", then there should also be separate categories in SO Assisted for the same reason. I can understand them having separate classes for SO because of the "advantage" that using a network gives - but I don't think that it is enough of an advantage to put a 5w station on par with a station running a KW!

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3 - K2 #3555
DSW-II-20 - SW-40+ - SW-30+
RM-20 - RM-40

FPQRP #-347 FISTS #9299

Charter Member - Michigan DX Association
www.wb0wao.com
:=)

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online time. <http://click.atdmt.com/AVE/go/onm00200363ave/direct/01/>

Date: Sun, 8 Feb 2004 20:37:22 -0800
From: "Bill Jones" <kd7s@psnw.com>
To: "Mike Duke, K5XU" <k5xu@jam.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167408] Re: Help with MFJ 451 Keyboard Keyer
Message-ID: <002301c3eec6\$6f06ae70\$eec13542@RadioRoom>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike,

The manual says the following:

Ctrl-L To create a repeating message, press Ctrl-L at the end of the
message and then hit Enter. As the MFJ-451 plays your message it comes to
the Ctrl-L and repeats. ex: AA5MT BEACON 52 Ctrl-L Enter.
This will repeat the message until you press Esc.

I just tried it and it works. You may also want to investigate Ctrl-P for
pause.

Ctrl-P The MFJ-451 also allows you to insert a timed pause within a
message. By pressing Ctrl-P and then four numbers in a xxxx format you can
pause the keyer from 00min 01sec to 99min 99sec. Esc exits.
ex: CQ CQ CQ DE KB5JOB Ctrl_P0045 Ctrl-L Enter. This will repeat the
message every 45 seconds or until you hit Esc.

Again, I just tried it and it works as advertised.

=====

Bill Jones KD7S <><
<http://www.psnw.com/~kd7s>
Sanger, California

=====

----- Original Message -----

From: "Mike Duke, K5XU" <k5xu@jam.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, February 08, 2004 7:50 PM
Subject: Help with MFJ 451 Keyboard Keyer

> If you have either the 451, or the larger Keyboard keyer with the display,
> and can find your manual, please e-mail me off list.

Date: Sun, 8 Feb 2004 23:44:28 -0500 (EST)
From: "Thom R. Lacosta" <lacosta@bcpl.net>
To: John Sielke <jsielke@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167409] Re: Big contest!
Message-ID: <Pine.GS0.4.58.0402082342520.3958@mail>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 8 Feb 2004, John Sielke wrote:

> top of the QRP frequencies, too. I'll fix 'em. I'm gonna fire up my K2
> and call CQ DX on 14.003, so there! Might even crank it up to 6 watts!

And rest assured, someone will not understand the humor and talk to you seriously about not QRMing another station, and maybe cite the rules.

You may have "launched another one over their heads".

Thom

<http://www.baltimorehon.com/> Home of the Baltimore Lexicon
<http://www.tlchost.net/> Web Hosting as low as 3.49/month

Date: Mon, 9 Feb 2004 00:33:24 -0600
From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [167410] Re: Do rules apply to testers ?
Message-ID: <03c001c3eed6\$9f1e4900\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Isn't it time to put this one to bed, gang?

Do unto others . . .

73, George W5YR
w5yr@att.net

Date: Mon, 9 Feb 2004 10:52:24 +0100
From: "Sverre Holm" <svholm2@broadpark.no>
To: <jstamper@shentel.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167411] RE: Rock-Mite DX Happy Dance
Message-ID: <000001c3eef2\$6b880b00\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

> I heard a very faint CQ among all the other signals. I
> answered ZS2BBG, Tom, in Port Elizabeth, South Africa, and he
> heard me.

Congratulations!

I have often wondered about these incredibly long distances with minimal power and what kind of propagation that cause them. I am not sure where KG4LDY is located (SE US?), but according to normal theory it would probably take 2 or 3 hops. But that could result in so much attenuation that all signal would be lost.

What about the high-angle ray (Pedersen ray) - and some sort of trapping in the F-layer, is that a more likely explanation? What I mean is a ray that enters the F-layer over the West Atlantic, is trapped and then leaves the layer close to ZS-land. If this is a likely mode, can the existence of it be predicted?

--
73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

Date: Mon, 9 Feb 2004 05:54:53 +0000
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [167412] DDS / SMD Solder Tip
Message-ID: <20040209.055619.-202979.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Can someone please tell me what I need to order in the way of materials
>to put this DDS together...they make soldering tips that small??
>
>How in the world do you solder U1. Apparently I need a microscope and a
>soldering tip measuring in the microns.
>
>Any help here sure would be appreciated

I did two DDS builds a few weeks back
using the 'gob-n-wick' technique....

Don't let fear of solder skills hold you back...start that SMD project.

I can't see all those pins . . .
My, iron is too large . . .
My first time . . .

Sound failure?

Not to worry about damage to that new DDS chip.
I just built two DDS 9850 circuits and both work using
the 'gob-on/wick-up technique (below).

Want another warm fuzzy?
I am 63 with trifocals and
regardless of tip size

can not see those tiny pins ! !

How may DDS circuits have I built in the last few weeks? TWO.

How many worked the first time? None *BUT*

>>>NOT due to SOLDER PROBLEMS.

The problem was first, my compiler software then
my programing skills.

I use small (.015 diameter) silver bearing solder and a 700 degree Weller
tip (way too big for SMD stuff).

First, the PCB must be 'tined' (a lite coat of solder already on the
pads), but
most PCBs come already tined, just wipe pads bright with a paper towel.

Second, tack solder two opposite SMD pins to hold the chip in place on
the PCB (not to worry about shorts and bridges >my first accident<).

Third, tack the other pins down, here too, not to worry about solder
shorts or bridges between pins at this time.

Next, with very thin light weight solder-wick (braid embedded with flux),
place braid between iron and one side of the SMD to reheat all 14 pins
at same time and wick up all that will come, let cool, then do the other
side. I must use a magnifier to inspect work in case touch up is
necessary, to date none required.

The circuit board (above ...TNX AmQRP GROUP) includes a 'solder mask'
(that is... a green paint job that covers everything not intended to
receive solder).

John
N3AAZ

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Surf the Web up to FIVE TIMES FASTER!
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Date: Mon, 9 Feb 2004 06:02:46 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: kenneth hoglund <hoglund@wfu.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167413] Re: A Tuner Tale, or How to Sprint Very Slowly
Message-ID: <Pine.LNX.4.44.0402090556340.5286-100000@bucket.dog>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 8 Feb 2004, kenneth hoglund wrote:

> If you have no interest in problems trying for field operations, delete
> now. However, if you enjoy reading about the misadventures of others,
> this is for you.
>
> I tuned around until I heard a fairly strong signal, then messed with
> the tuner until the signal was as strong as possible, and noticed most
> of the static had gone away, and there were considerably more ops on the
> air than I heard before. I couldn't tune up by checked SWR because I
> have a cheapy Radio Shack meter that needs about 4 watts to register
> anything, and the WM doesn't have that much punch. The tuner was now at
> settings widely varient from where I had tested this antler before.
> Called some more but still no takers.
>
> Ok, it's 2 hours into the contest, and no QSOs. Time for desperate
> measures. I disassembled the apparatus, and headed into the shack to
> load the big rig, a K'wood TS-180 online. Got the tuner back in place,
> the attic dipoles hosed up, rechecked connections and kicked the 180 on.
> Went to tune for 20m and the "usual and customary" settings were no
> where near my usual 1.2/1. Started fiddling with the tuner and noticed
> just touching one of the dials caused the SWR to fluctuate. After
> several efforts I got the SWR to 2/1 and began calling and pouncing.
> Much frustration, but made a few QSO's.
>
> As my patience was wanning, I began thinking about the behavior of the
> tuner and how much trouble it was to get a match to either of the
> antennas. So I took the tuner completely out of line, and hosed the
> meter right up to the feedline for the attic dipole---sure enough, easy
> 1.5/1. Looks like the tuner is the problem.

I do not recall your earlier email but what you have is a bad
variable capacitor at the input of the tuner.

>
> Some of you may recall a question I posted to the list some months back
> about changing impedance in a transceiver--I suddenly had troubles
> getting the TS-180 tuned up. Got lot's of good ideas from folks, but
> never did locate the problem exactly. Well, now I have it located--an
> intermittent something in the tuner that causes a significant mismatch.
>
> The tuner is an MFJ-901B. The touchy dial is the one for the transmitter
> side of the tuner. Anyone have some ideas on how to test a tuner, or
> what to look for when I rip into this box?

>

Depends how old it is. If you bought this less than a year ago do this: Take it apart and with an ohm meter see if the capacitor is shorting out. Then call MFJ and ask permission to send it back for repair. If it is older now call MFJ and ask to buy a new variable capacitor for your model.

>

> TNX in advance,

>

> Ken KG4FGC

>

>

>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 09 Feb 2004 04:53:56 PST

From: James R Giammanco <n5ib@juno.com>

To: qrp-l@Lehigh.edu

Subject: [167414] Elmer 160 - Sharing code examples

Message-ID: <20040209.074152.4631.0.n5ib@juno.com>

As we get into the meatier part of Elmer 160 it would appear that there will be lots of occasions where we conjure up what at least appears to us to be a clever chunk of code, worthy of sharing with the group.

Do we have a mechanism to do that conveniently? My own suggestion is that, as a minimum, we should make a .zip archive that includes any relevant .asm files, an assembled .hex file, and a readme.txt that briefly describes what's going on. Schematics or other ancillary info could be included as well.

Posting these .zip archives on a convenient web page would make it easy for others to access and relieve the authors of the need to respond to repetetive requests via e-mail. I guess I'm hinting at George at NJQRP whether that might be a good site :^)) but I'm pretty sure I could put on my camo and paint my face commando style (actually the camo pattern is all ones and zeros) and sneak a little space out from under the watchful

vigilance of our system guru at LSU to handle what shouldn't be a torrent of data :^)) Actually she's a very nice lady and I'm sure she wouldn't mind at all :^))

72

Jim N5IB

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Date: Mon, 9 Feb 2004 08:29:03 -0500 (EST)
From: <n2go@arrl.net>
To: James R Giammanco <n5ib@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167415] Re: Elmer 160 - Sharing code examples
Message-ID: <Pine.LNX.4.33.0402090826020.10688-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here is a list maintained by MIT that some may not be aware of:
<http://www.piclist.com/techref/piclist/index.htm>

As your skills develop you might find some of the reference material helpful. There are source code libraries and projects.

73,

Jim n2go

Date: Mon, 9 Feb 2004 08:47:24 -0500 (GMT-05:00)
From: Norman Young <normany@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [167416] PSK Problem (Long)
Message-ID: <16528647.1076334445365.JavaMail.root@wamui05.slb.atl.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I have finally entered the world of QRP PSK. I am running a TS-520 interfaced to a 133 Mhz Pentium computer with the MFJ 1275T. I initially had a problem with getting the headers in the interface set right, but that problem has now been resolved.

However, when I am running either Digipan or MixW, from time to time the waterfall will suddenly have a number of regularly spaced parallel vertical bars on either side of the active stations, and they fill the entire waterfall. When they appear, they appear suddenly on the display as if a bunch of stations all started transmitting at the same time. They usually appear as faint blue, like really weak stations, unless they are near a strong station. Then they will appear as lighter yellow bars on either side of the active station.

When this happens everything is garbled, but the bars usually go away just as suddenly in a matter of 10-15 seconds, and I am able to copy again. I cannot tie them to any directly observable event such as an active hard drive or a change in the audio level heard from the radio. Nor does it seem to correlate with the computer input audio level. This is seen on all bands, and is subject to happen at any time of day or night. It is not seen at regular intervals, but I would say it happens every 3-5 minutes or so.

I have tried all kinds of adjustment of the input audio - from the interface, from the computer sound card, and from the audio output (AF gain) of the radio. Regardless of what adjustments I make, these bands seem to appear randomly.

Things I can't rule out:

1. I know that the 133 Mhz machine is about the lower end of what will work with these packages, but I am not running anything else in the background (other than what Windows 98 might be doing), so there should not be any memory problem. Incidentally, I have tried disabling task manager and Norton realtime protection. I know that Windows does lots of stuff in the background that might be a factor, but I don't know how to find out what they are or how to try to disable them.
2. The soundcard. I have no idea what kind it is, but it seems to work FB on transmit.
3. The radio itself. I can't hear any change in the audio, but maybe something is coming from the output that is not audible.
4. External interference. I have tried turning everything off in and around the shack that might be an interference source, but nothing seems to matter. If it is some sort of external interference, I have not been able to locate it. And as I said, it is intermittent.

I've done a lot of looking on the net, but I have not seen anything quite like

this. It does not prevent me from working PSK, but it does present a challenge when I miss something in the middle of a QSO, so I'd like to ID and correct the problem. I do have another faster computer that I can interface with if I have to, but I'd like to be sure that it is the computer before I do. This machine is too convenient.

Anyone ever experience anything like this, and if so, how did you get rid of it? Was it in the soundcard or something else.

Since this may not be of general interest to the group, please forward any replies to me directly at normany@mindspring.com. If there is interest, I will summarize all replies and post them to the list later.

Thanks,
Norman
KA4PUV

Date: Mon, 09 Feb 2004 08:49:09 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [167417] Re: DDS / SMD Solder Tip
Message-ID: <40278FD5.5070003@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

>
>
>Not to worry about damage to that new DDS chip.
>I just built two DDS 9850 circuits and both work using
>the 'gob-on/wick-up technique (below).
>
>

This method really works! I was dismayed at doing the 9835 DDS chip in the AT Sprint, but did it this way and it came out fine. Same problem here, always had 20/300 nearsighted vision. It helps, since when I take my glasses off I can see up very close quite well. Just used magnifier to check for shorts.

John W2AGN

Date: Mon, 9 Feb 2004 07:50:40 -0600
From: Wayne Rogers <w5kdj@juno.com>
To: qrp-l@lehigh.EDU
Subject: [167418] FS: PIC-EL & DDS
Message-ID: <20040209.075041.-1504301.0.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Both boards work as designed. \$70.00 I'll pay the postage.

Wayne_W5KDJ
ex: SV0WWW_TF2WJN 100% CW
ARS_1392 ARCI_11325 FP-626 e-QSL
FISTS_10060 SOC_538 HQRP ARRL

Date: Mon, 09 Feb 2004 08:54:05 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [167419] Re: A Tuner Tale, or How to Sprint Very Slowly
Message-ID: <402790FD.2030509@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

>
>
>I do not recall your earlier email but what you have is a bad
>variable capacitor at the input of the tuner.
>
>

Not necessarily! As Karl says, if it is still under their "no questions" warranty, go ahead and send it back, but if not, I would suspect a cold solder joint. Not to start a flame war about MFJ, but they are noted for poor quality control, and frequent cold solder joints. Look for that before worrying about replacing a capacitor. Unless you have been inside the case and bent a plate, it is unlikely an air variable would go bad.

So check for cold solder joints first.

John SW2AGN

(remember Occam's Razor)

Date: Mon, 09 Feb 2004 08:53:15 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167420] AMATEUR'S CODE of CONDUCT
Message-ID: <6.0.3.0.2.20040209085109.0476ab98@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

AMATEUR'S CODE of CONDUCT

The Radio Amateur is:

CONSIDERATE...never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

FRIENDLY...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED...radio is an avocation, never interfering with the duties owed to the family, job, school or community.

PATRIOTIC...station and skill always ready for service to country and community.

The original Amateur's Code was written by:
Paul M. Segal, W9EEA, in 1928.

Some days it gets pretty tough to follow, doesn't it?!!?

Date: Mon, 09 Feb 2004 09:07:35 -0500
From: Garey Barrell <k4oah@mindspring.com>

To: n3aaz-qrp@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [167421] Re: DDS / SMD Solder Tip
Message-ID: <40279427.7060906@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Good advice.

One more thing.... If you are building the DDS Daughtercard from AMQRP, don't be concerned about what appears to be a "bridge" between pins 3 and 4 of the AD9850. Whoever laid out the board (probably a 30 year old!) thought it would be cute to put a trace there!!! :-)) Anyway, it won't go away, no matter how many times you attempt to "soder-wik" it!

73, Garey - K40AH
Atlanta

John R Kirby wrote:

```
>>>> snip <<<<<<

>
> Don't let fear of solder skills hold you back...start that SMD project.
>
> I can't see all those pins . . .
> My, iron is too large . . .
> My first time . . .
>
> Sound failure?
>
> Not to worry about damage to that new DDS chip.
> I just built two DDS 9850 circuits and both work using
> the 'gob-on/wick-up technique (below).
>
> Want another warm fuzzy?
> I am 63 with trifocals and
> regardless of tip size
> can not see those tiny pins ! !
>
> How may DDS circuits have I built in the last few weeks? TWO.
> How many worked the first time? None *BUT*
>
>>>>NOT due to SOLDER PROBLEMS.
>

>>>>>> snip <<<<<<<<<
```

Date: Mon, 09 Feb 2004 10:31:07 -0400
From: Claudia & Reed Park <reedpark@nbnet.nb.ca>
To: George Heron N2APB <n2apb@clearviewcatv.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167422] Re: Order status of PIC-EL kits
Message-ID: <402799AA.519573AA@nbnet.nb.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi George.

Excellent. I see that 3 were shipped to Laurie Landry when I checked.
One of those is mine. I am waiting at the door for the post man with
solder iron in hand. :-)

7 3
Reed - VE1NU

George Heron N2APB wrote:

> We've now developed a quick 'n easy way for homebrewers to check the status
> of a PIC-EL Kit order!
>
> Just go to <http://www.amqrp.org/elmer160/board/picelstatus.html> and enter
> one or more words of your name or mailing address and you'll immediately see
> the status of your order with us, including the date your kit shipped (or
> will ship). Couldn't be easier.
>
> 73, George N2APB n2apb@amqrp.org
> for the AmQRP Club at www.amqrp.org

Date: Mon, 09 Feb 2004 15:07:30 +0000
From: k8cz@att.net
To: Rick McKee <kc8aon@juno.com>
Cc: qrp-l@lehigh.edu, fpqrp-l@fpqrp.com
Subject: [167423] Re: [fpqrp] Licensing question ?
Message-ID: <020920041507.14039.4731@att.net>

Hi Rick,

If his current liscense is still valid, he can get a duplicate made, through the FCC by filling out a 605 and requesting it in the check boxes. Also any callbook listing his current call and class prior to 1987 is acceptable as proof of the code requirement. The requirement is that he provide proof of the 5WPM credit.

For all those who might find themselves in this predicament, be sure to keep all your licenses in a safe and locatable place. For all you techs with code, keep your CSCE with the 5wpm credit circled. The new technician license and database does not distinguish between code and no-code techs. Your only proof is the CSCE.

ARRL VE
Tom

--

73,72, 00

FP #41 NJQRP #338 Fists #2360

ARCI #9606 SOC #336 Norcal ARRL

Hamilton, Ohio EM79ri

Tom, K8CZ

> An acquaintance of mine was first licensed in 1963 as a technician and has
> taken the 5 wpm code test. All technicians with code prior to March 1987
> are supposed to be able to receive an automatic upgrade to general class
> by filling out FCC form 605 and taking it to a VE testing session along
> with copies of his original license and current license, pay the \$12
> testing fee and receive the upgrade. The problem is, he has misplaced
> his original and current license which is good til sometime in 2007
> according to the FCC database. Is there anyway he can still receive the
> upgrade without copies of the license ? Any of you ARRL guys got any
> ideas ?

>

> 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl

> SW-20+, SW-30+, SW-40+, Norcal BLT, Yaesu FT-7, Homebrew 6V6 tube TX

> QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists, MQFD #1

> Monthly QRP Field Day info at : <http://www.smartgroups.com/groups/mqfd>

> Without CW, it's only CB ! KNOW code - not - NO code !

>

>

>

> -----
> The best thing to hit the Internet in years - Juno SpeedBand!

> Surf the Web up to FIVE TIMES FASTER!

> Only \$14.95/ month - visit www.juno.com to sign up today!

> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

Date: Mon, 09 Feb 2004 10:02:46 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: wb0wao@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [167424] Re: Contesting Rules and QRP - New Topic
Message-ID: <4027A116.9F614900@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dennis,

>
> entry classes in the "major events"? First of all, for those that do enjoy
> SSB QRP, shouldn't the power level be changed to 10w PEP per the QRP-ARCI
> "standard"
>
10 watts vs 5 watts is only a 3 dB improvement. After the fuss we made
to have QRP classes included, it might meet with rejection.
>
> Second, I think that there currently exists a problem with the entry classes
> in the "majors" for Single Op Assisted.
>
As a traditional contester I think all you guys that use spotting nets
should be disqualified, but since they won't do that, a separate class
is a decent solution. I don't know what percentage of QRP operators vs
others there are. I suspect it is too much trouble to separate out the
QRPers.

However, my personal biases aside, you should encourage those who agree
with you to write the "major event" organizers and request such a
change.

Bruce

Date: Mon, 09 Feb 2004 10:11:23 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: hoglund@wfu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [167425] Re: A Tuner Tale, or How to Sprint Very Slowly
Message-ID: <4027A31B.B4AB4218@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ken,

I have one of those tuners and if I remember correctly, one of the caps has a fiber shaft extension to prevent grounding. You may have a faulty shaft extender. Perhaps one of the fiver set screws was replaced by a metal one. In any event, I would carefully check the cap for shorts to ground with an ohm meter. Then diagnose the cause of the short. Then you will be in a better position to order spare parts.

Bruce

Date: Mon, 09 Feb 2004 10:27:59 -0500
From: Lee Mairs <lmairs@direcway.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167426] Re: Contesting Rules and QRP - New Topic
Message-ID: <001701c3ef21\$51baed30\$6702a8c0@J4>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

If you talk about a level playing field, then you will need to have a special multiplier for QRP that is large enough so that the total score is competitive with the big guns. Likewise, there ought to be a big multiplier for wire antennas vs. tower mounted arrays. And maybe a multiplier for slow CW speed, laryngitis, straight keys, an XYL who bitches about spending money on radio... and the beat goes on...

My point is that there will never be a "level playing field". If you really want to take contesting seriously you have to open your wallets, dedicate all your spare time, and jump in with the big guys like Frank, W3LPL. How does that saying go about tall grass and running with big dogs?

On the other hand (I'm an economist), contest operating can be great fun just trying to beat last year's score, snag some new DX, or check out changes to the station. Informal competition between several buddies (list members) can also get the adrenaline flowing.

73 de Lee, KM4YY/8
PVR

----- Original Message -----
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, February 08, 2004 11:36 PM
Subject: Contesting Rules and QRP - New Topic

> What follows is NOT related to the previous topic on contesting <grin>!
>
> Am I the only one who thinks that the rules need to be changed in regards
to
> entry classes in the "major events"? First of all, for those that do
enjoy
> SSB QRP, shouldn't the power level be changed to 10w PEP per the QRP-ARCI
> "standard" rather than the 5w level now? I agree on the 5w for CW as that
> is the standard, but SSB needs to have it the level raised up to 10w IMHO.
>
> Second, I think that there currently exists a problem with the entry
classes
> in the "majors" for Single Op Assisted. I know that some view the use of
> "spotting networks" as a tool of the devil, but QRPer's that would like
> to/do use them are in the same "class" as those using them and running
full
> legal limit! In the Single Op Unassisted classes, they have power
levels -
> QRP, Low and High - but there are no power levels in Single Op Assisted
> classes. I think that this is just flat out wrong! If there exists a
need
> for separate categories in SO Unassisted to "level the playing field",
then
> there should also be separate categories in SO Assisted for the same
reason.
> I can understand them having separate classes for SO because of the
> "advantage" that using a network gives - but I don't think that it is
enough
> of an advantage to put a 5w station on par with a station running a KW!
>

Date: Mon, 9 Feb 2004 10:01:47 -0600
From: "Bart N5WL" <blawson2@cox.net>
To: <qrp-1@Lehigh.EDU>
Subject: [167427] WTB or Trade for a tuner for my latest qrp radio!
Message-ID: <000301c3ef26\$057bc8e0\$40fea8c0@xxxxxxxxxxxx>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

My newest qrp rig is a ts-520 knwd:-) I know--but I got into qrp with a ts-530s cranked down to 3 or 4 watts--plan to do the same with the 520. I am looking for an AT-200 to match this rig. If you have one that you would like to sell or trade, please contact me off list!

Thanks for the bandwidth.

cu es 72, Bart N5WL

Date: Mon, 9 Feb 2004 11:02:50 -0500 (EST)
From: <w9ya@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [167428] Re: A Tuner Tale, or How to Sprint Very Slowly
Message-ID: <2358.192.168.1.117.1076342570.squirrel@gateway>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

>>

>>

>>I do not recall your earlier email but what you have is a bad
>>variable capacitor at the input of the tuner.

>>

>>

>

> Not necessarily! As Karl says, if it is still under their "no
> questions"

> warranty, go ahead and send it back, but if not, I would suspect a
> cold solder joint. Not to start a flame war about MFJ, but they are
> noted

> for poor quality control, and frequent cold solder joints. Look for
> that before worrying about replacing a capacitor. Unless you have
> been inside the case and bent a plate, it is unlikely an air variable
> would go bad.

>

> So check for cold solder joints first.

>

> John SW2AGN

>

> (remember Occam's Razor)

Hey John and the gang;

I absolutely agree 100% on your diagnosis from practical experience with these things. On field day I make sure to inspect ALL incoming MFJ tuners. They get opened up and all the screws tweaked and all the wires yanked on. More often than not, I actually find some intermittents. Just plain lousy tuners IMHO, at least as they leave the factory. (SOME of their tuner designs and SOME of their components are quite nice, but the execution is third rate.)

72;

Bob
w9ya

Date: Mon, 9 Feb 2004 11:05:12 -0500
From: "kennymac" <killmodell@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167429] Re: DDS / SMD Solder Tip
Message-ID: <005801c3ef26\$80397230\$9b48b783@utad.utoledo.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All right, you guys convinced me. I am going to jump on the SM pain train and solder that DDS tonight when I get home...

Nothing ventured right...?

I might dig out some old boards and find some SM stuff to practice on first though...

Ken
KC8YYC

----- Original Message -----
From: "John Sielke" <jsielke@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, February 09, 2004 8:49 AM
Subject: Re: DDS / SMD Solder Tip

> >
> >
> >Not to worry about damage to that new DDS chip.
> >I just built two DDS 9850 circuits and both work using
> >the 'gob-on/wick-up technique (below).
> >
> >
>
>
> This method really works! I was dismayed at doing the 9835 DDS chip in
> the AT Sprint, but did it this way and it came out fine. Same problem
> here, always had 20/300 nearsighted vision. It helps, since when I take
> my glasses off I can see up very close quite well. Just used magnifier
> to check for shorts.
>
> John W2AGN

Date: Mon, 9 Feb 2004 11:13:58 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [167430] Buddipole configuration
Message-ID: <dc.2edecc4.2d590bc6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Those that have the Buddipole (commercial or homebrew) I have a question for you. I have been running some modeling on it and find the VEE configuration to have a lot of benefits. On 20m+ there appears to be resonable gain but more importantly between 1-3 S-unit rejection off the ends. This was configured from 90-110 degree angle and the apex 5ft above ground. I was curious what you get in actual practice (approximately).

What configuration(s) do you use most?

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Mon, 9 Feb 2004 11:14:57 -0500

From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-1@Lehigh.EDU
Subject: [167431] Losses for computer ribbon cable as a feedline?
Message-ID: <1A87BDB0-5B1B-11D8-9A2A-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v553)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Does anyone have any loss figures for computer ribbon cable used as a feedline? I am specifically looking for loss at 14MHZ. I tried Google but couldn't find anything relevant.

I am thinking about building a lightweight portable 20M half square using SD-20s as supports and I need I lightweight feedline but I don't want to squander away all of my gain through feedline losses.

I found some data that claims about 4 to 4.5 db / 100ft loss for RG174 at 14 MHZ so I'm wondering how ribbon cable compares to that.

Michael VE3WMB

Date: Mon, 9 Feb 2004 11:34:56 -0500
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-1@Lehigh.EDU
Subject: [167432] Shakespeare Wonderpole vs SD-20 as Antenna supports
Message-ID: <E5530617-5B1D-11D8-9A2A-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v553)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Does anyone have any experiences using a Shakespeare Wonderpole vs the SD-20 as an antenna support.

It looks like I have a local source for the Wonderpoles in 10ft, 13ft and 20ft lengths. I'm just curious if anyone has compared these with the SD-20 for Ham use.

Michael VE3WMB

Date: Mon, 9 Feb 2004 08:37:46 -0800

From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167433] HW8 schematic wanted
Message-ID: <00a701c3ef2b\$0cf634c0\$2d861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I wish to thank all the guys who gave me the help that I needed to get the schematic, this is a great bunch of people on this list and I really appreciate it. Thanks 73's John KF70M

Date: Mon, 9 Feb 2004 08:39:32 -0800 (PST)
From: John Kalotai <n1olo@yahoo.com>
To: Norman Young <normany@mindspring.com>,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167434] Re: PSK Problem (Long)
Message-ID: <20040209163932.85264.qmail@web80408.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

What you are seeing are harmonics from some source, either the sending station or from some other source. In the case of the 1275 (typical of Mississippi Finest Junk) it may be harmonics from the device itself.

I have one that I had been doing some testing on and found that on transmit and receive the transformers are acoustically coupled. That is, they act like microphones. I discovered this during a transmission while I had the device set up on a bench. the sound of someone walking across the floor was distinctly heard at the receiving station. On receive when I tapped on the case I could see spike on the waterfall. If the receiver audio was loud the it would appear as a ghost of the original signal. When the receiver was turned down (I'm using fixed level audio BTW) it disappeared.

Personally, I stay away from MFJ's products.

--- Norman Young <normany@mindspring.com> wrote:
> Gang,
>

> I have finally entered the world of QRP PSK. I am running a TS-520
> interfaced to a 133 Mhz Pentium computer with the MFJ 1275T. I
> initially had a problem with getting the headers in the interface
> set right, but that problem has now been resolved.
>
> However, when I am running either Digipan or MixW, from time to
> time the waterfall will suddenly have a number of regularly spaced
> parallel vertical bars on either side of the active stations, and
> they fill the entire waterfall. When they appear, they appear
> suddenly on the display as if a bunch of stations all started
> transmitting at the same time. They usually appear as faint blue,
> like really weak stations, unless they are near a strong station.
> Then they will appear as lighter yellow bars on either side of the
> active station.
>
> When this happens everything is garbled, but the bars usually go
> away just as suddenly in a matter of 10-15 seconds, and I am able
> to copy again. I cannot tie them to any directly observable event
> such as an active hard drive or a change in the audio level heard
> from the radio. Nor does it seem to correlate with the computer
> input audio level. This is seen on all bands, and is subject to
> happen at any time of day or night. It is not seen at regular
> intervals, but I would say it happens every 3-5 minutes or so.
>
> I have tried all kinds of adjustment of the input audio - from the
> interface, from the computer sound card, and from the audio output
> (AF gain) of the radio. Regardless of what adjustments I make,
> these bands seem to appear randomly.
>
> Things I can't rule out:
>
> 1. I know that the 133 Mhz machine is about the lower end of what
> will work with these packages, but I am not running anything else
> in the background (other than what Windows 98 might be doing), so
> there should not be any memory problem. Incidentally, I have tried
> disabling task manager and Norton realtime protection. I know that
> Windows does lots of stuff in the background that might be a
> factor, but I don't know how to find out what they are or how to
> try to disable them.
>
> 2. The soundcard. I have no idea what kind it is, but it seems to
> work FB on transmit.
>
> 3. The radio itself. I can't hear any change in the audio, but
> maybe something is coming from the output that is not audible.
>
> 4. External interference. I have tried turning everything off in
> and around the shack that might be an interference source, but

> nothing seems to matter. If it is some sort of external
> interference, I have not been able to locate it. And as I said, it
> is intermittent.
>
> I've done a lot of looking on the net, but I have not seen anything
> quite like this. It does not prevent me from working PSK, but it
> does present a challenge when I miss something in the middle of a
> QSO, so I'd like to ID and correct the problem. I do have another
> faster computer that I can interface with if I have to, but I'd
> like to be sure that it is the computer before I do. This machine
> is too convenient.
>
> Anyone ever experience anything like this, and if so, how did you
> get rid of it? Was it in the soundcard or something else.
>
> Since this may not be of general interest to the group, please
> forward any replies to me directly at normany@mindspring.com. If
> there is interest, I will summarize all replies and post them to
> the list later.
>
> Thanks,
> Norman
> KA4PUV
>
>
>
>

=====
John Kalotai
N10LO

Date: Mon, 9 Feb 2004 11:55:16 -0500
From: "JBCrafts" <jbcraft@adelphia.net>
To: <k8cz@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167435] RE: [fpqrp] Licensing question ?
Message-ID: <AGEJJBFPLHMOECFDINOGEKFEOAA.jbcraft@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

you can also use a page from a call book... there are several sources for
this, the one that comes to mind is Steve - W3HF.

Bob K8YS

Date: Mon, 9 Feb 2004 12:18:54 EST
From: W0rw@aol.com
To: qrp-1@lehigh.edu, jim@w6ujx.com
Subject: [167436] w0rw/pm KX1 report on ARS web site
Message-ID: <54.2216117b.2d591afe@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Check out the w0rw/pm KX1 report on the Adventure Radio Society web site at:

http://www.arsqrp.com/ars/pages/back_issues/2004_text/0204_text/W0RW.html

Pictures of my hike a few weeks ago near Evergreen, CO.

Paul w0rw/pm

Date: Mon, 9 Feb 2004 10:25:29 -0800
From: "Bill Linn" <wlinn@smgazette.com>
To: "George Heron N2APB" <n2apb@clearviewcatv.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167437] Elmer 160: PIC-EL -- Manual
Message-ID: <001d01c3ef3a\$19afd040\$a670ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Decided to open the bag and sort the parts... Discovered the on-line manual information. Now, is there a PDF or other file that I can download and print before starting the project. (My work bench isn't equipped with internet service.) Or, are folks just loading each section and printing from there?

Just looking for the most best way to get the manual into printed form so I can get started.

Thanks,
Bill - W7WEL

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Mon, 09 Feb 2004 13:37:53 -0500
From: Michael Neverdosky <mikenever@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [167438] Re: Losses for computer ribbon cable as a feedline?
Message-ID: <4027D381.AA066630@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I remember that someone did a bunch of testing on ribbon cable
as feed line, I think it was Ed WE6W.

The key thing I remember is that using leads next to each other was
high loss. Using 4 wire ribbon with the two middle leads not connected
was pretty good.

michael N6CHV

Michael Babineau wrote:

>
> Does anyone have any loss figures for computer ribbon cable used as
> a feedline? I am specifically looking for loss at 14MHZ.
> I tried Google but couldn't find anything relevant.
>
> I am thinking about building a lightweight portable 20M half square
> using
> SD-20s as supports and I need I lightweight feedline but I don't want
> to squander away all of my gain through feedline losses.
>
> I found some data that claims about 4 to 4.5 db / 100ft loss for RG174
> at 14 MHZ so I'm wondering how ribbon cable compares to that.
>
> Michael VE3WMB

Date: Mon, 9 Feb 2004 12:58:30 -0600
From: "John Cook" <otterc@earthlink.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [167439] St. Louis Vertical

Message-ID: <410-22004219185830283@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

I was searching the web for instructions for building a St. Louis Vertical and every link I found was dead. I found a link to an old Norcal page but it is no longer there after merging with Amqrp the other links to Dave Gauding, NF0R's page about the antenna are dead. I know that the designs been around for quite a while so many QRPers know all about it but ,I sure would like complete details for building one.

73/72

John Cook
K6ERO
formerly kd5sje , I was just awarded my grand fathers old call

Date: Mon, 9 Feb 2004 15:00:15 -0500
From: "Steve Blary" <steve@eclipsecat.com>
To: <otterc@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167440] RE: St. Louis Vertical
Message-ID: <PPEIIGOHKOAKJAPHAODHKEFDEPAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Take a look here:
<http://www.amqrp.org> go to the projects page
I use the original style with a tuner. I've had good luck 80-10

72
Steve N1XC

Date: Mon, 09 Feb 2004 20:12:32 +0000
From: Howard Oakley <hoakley@btconnect.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [167441] Re: Contesting Rules and QRP - New Topic
Message-ID: <BC4D9A30.2AF55%hoakley@btconnect.com>

Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

On 9/2/04 4:36 am, Dennis Ponsness wrote:

> Am I the only one who thinks that the rules need to be changed in regards to
> entry classes in the "major events"? First of all, for those that do enjoy
> SSB QRP, shouldn't the power level be changed to 10w PEP per the QRP-ARCI
> "standard" rather than the 5w level now? I agree on the 5w for CW as that
> is the standard, but SSB needs to have it the level raised up to 10w IMHO.

Is this really needed? Five W on SSB seems fine to me, at least for working DX. I'm more inclined towards a 'pure and simple' class of up to 5 W SSB, no more than 2 elements in the antenna, no use of the DX cluster or similar aids.

72,

Howard.

Dr Howard Oakley
Isle of Wight, UK
M1BWR (IO90JO, EU-120)
Active from 80 m to 23 cm
QRP ARCI 11583; UKSMG 1718; ARRL; RSGB; RNARS

Date: Mon, 9 Feb 2004 13:25:18 -0500
From: "jwsteven@concentric.net" <jwsteven@concentric.net>
To: qrp-l@lehigh.edu
Subject: [167442] RE: MFJ Tuner
Message-ID: <232810-22004219182518718@M2W091.mail2web.com>
MIME-Version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

One more thing to look for=2E=2E=2E Many of the connectors and other major parts
are riveted to the chassis=2E These have a tendency to loosen up over time
and become intermittent=2E

73 john k5js

mail2web - Check your email from the web at
<http://mail2web=2Ecom/=2E>

Date: Mon, 9 Feb 2004 12:16:43 -0800 (PST)
From: Shawn Qrp <shawnqrp@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [167443] Useful Oscilloscope
Message-ID: <20040209201643.23456.qmail@web21401.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Good afternoon oh wise QRPers

I am extremely new to this QRP that you speak of. I found this and it looked like something that might come in handy when testing stuff that I build.

What do you think oh wise ones ?

Shawn
KCORFC

#Oscilloscope
10Mhz bandwidth. It actually can show 20Mhz signals.
One measurement input channel, one external trig channel.
Voltage division: 5V to 5mV.
Time division: 0.1s to 0.1 us.
Trig mode: auto, norm and TV.
Trig source: input signal, line and external.
Trig on rising or falling edge.
Coupling: AC/DC/GND.
One probe and manual included.
One year warranty.
Size: 9"x3.5"x11".
weight: 6 lb.
110V power supply.

Do you Yahoo!?
Yahoo! Finance: Get your refund fast by filing online.
<http://taxes.yahoo.com/filing.html>

Date: Mon, 9 Feb 2004 14:17:33 -0600
From: "John Cook" <otterc@earthlink.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [167444] RE: St. Louis Vertical
Message-ID: <410-22004219201733463@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Thanks for the link, I found that page earlier and the photo didn't load , I failed to scroll down and thought I found another dead page. duuuuh....:-)

Guess my brain was web dead this moning,

72

John K6ERO

>
>
> Take a look here:
> <http://www.amqrp.org> go to the projects page
> I use the original style with a tunner. I've had good luck 80-10
>
> 72
> Steve N1XC
>

Date: Mon, 09 Feb 2004 15:31:47 -0500
From: tjennin2@rochester.rr.com
To: qrp-1@Lehigh.EDU
Subject: [167445] Fox: Fox Announcement for KV2X
Message-ID: <4027A7E3.13274.4A8A784E@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi Hounds!

I will be the fox tomorrow night and I will be below 7040. When you hear me call at least 1 kHz up. I will use this format for the exchange:

<your call> 55N NY TOM 5W <your call>

please reply with TU RR 55N <your SPC> <your name> <your
pwr> BK

and I will reply with RR TU

I will ask for fills if I missed anything.

Good luck to all and I hope condx will be great so
a lot of pelts will be handed out.

73,
Tom kv2x

Date: Mon, 9 Feb 2004 15:31:48 -0500 (EST)
From: <w9ya@arrl.net>
To: <shawnqrp@yahoo.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [167446] Re: Useful Oscilliscope
Message-ID: <2694.192.168.1.117.1076358708.squirrel@gateway>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hey Shawn and the gang;

How much for this? And what condition ? And what model, made by whom ?
What do you plan on measuring with it ?

(There is no such thing as a bad scope, just one that is mis-applied,
mis-appropriated, and/or mis-construed.)

Vy 72;

Bob
w9ya

P.S. No offense intended but the correct spelling is "oscilloscope".

> I am extremely new to this QRP that you speak of. I
> found this and it looked like something that might
> come in handy when testing stuff that I build.
>
> What do you think oh wise ones ?
>

> Shawn
> KCORFC
>
> #Oscilliscope
> # 10Mhz bandwidth. It actually can show 20Mhz signals.
> # One measurement input channel, one external trig
> channel.
> # Voltage division: 5V to 5mV.
> # Time division: 0.1s to 0.1 us.
> # Trig mode: auto, norm and TV.
> # Trig source: input signal, line and external.
> # Trig on rising or falling edge.
> # Coupling: AC/DC/GND.
> # One probe and manual included.
> # One year warranty.
> # Size: 9"x3.5"x11".
> # weight: 6 lb.
> # 110V power supply.
>
> -----
> Do you Yahoo!?
> Yahoo! Finance: Get your refund fast by filing online.
> <http://taxes.yahoo.com/filing.html>

Date: Mon, 09 Feb 2004 13:41:20 -0700
From: Pat Byers and Jennifer Simpson <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167447] Old Panasonic GX 400M radio
Message-ID: <6.0.1.1.0.20040209134016.01b52a40@mail.rttinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello all,

Last night while sorting through some stuff in the shack that can be boxed up for moving, I experienced a distinct blast into the past. I rediscovered a Panasonic GX400M radio that I had purchased in Germany way back in 1974 or 1975. I couldn't immediately lay my hands on the power supply so today I purchased some "C" cells and rushed home to try it out.

At first, it sort of worked but volume was way low. I worked the switches and got lots of snaps, crackles, and pops but still low volume. After all, this old radio has been lingering in a box in the basement for many years.

To make a long story short, I discovered a "Radio Phono" switch on the side. A couple of flicks of this resulted in a complete loss of audio. Aha! There's where the problem is. A blast of air and a few more flicks and I had ear splitting volume.

This is one neat radio. It has a signal strength meter that doubles as a battery monitor, a swivelling AM rod antenna, local/distance switch AND rf gain control, LW-MW-SW-FM band array, and a mechanical off timer. No BFO, though. The whip antenna is long gone, as was the replacement I made for it, so I haven't yet tried FM or SW. However, on MW it seems to be plenty sensitive and the selectivity is surprising.

Does anyone on this list know where I might be able to find an owners manual, schematic, and/or service manual? I did a cursory Internet search to no avail. It appears that Panasonic used "GX" for some of its portable computer models numbers. I can't seem to find anything on National Panasonic radios this old.

Thanks in advance.

Pat Byers VE6AAN
Ponoka, AB

Date: Mon, 9 Feb 2004 15:50:00 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <shawnqrp@yahoo.com>
Subject: [167448] Re: Useful Oscilloscope
Message-ID: <004301c3ef4e\$4919a1d0\$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ANY oscilloscope is better than no oscilloscope, but for HF work you want at least a 100 MHz scope. Remember that anything other than a perfect sine wave has harmonic content, and since you are often interested in the shape, you would like to see some of that harmonic content. A 10 MHz scope will show a 10 MHz square wave as a somewhat misshapen sine wave. This scope will be pretty good for audio, and at least it will allow you to see a signal at the lower HF portion, but understand that even at 10 MHz it's not going to give you much of an idea of the waveform, and at higher frequencies, it's going to turn everything into a sine wave of lower amplitude than what's actually there.

Two channels is awfully nice, too. Much beyond two and you get challenged on keeping them straight, but there have been times I've wished for more.

A lot depends on your budget, of course, and what they are asking for this scope. If you are just starting into homebrewing, and \$100 is a lot of money to you, and this scope is \$30, then I'd say - go for it. A nice 100 MHz scope is going to probably set you back \$200 or more used, so factor that into your thought process. A lot of folks go for 200 MHz or higher scopes. The higher the frequency the better, of course, but as you go much above 200 the prices start to get a little discouraging (at least for me!)

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Shawn Qrp" <shawnqrp@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, February 09, 2004 3:16 PM
Subject: Useful Oscilloscope

> Good afternoon oh wise QRPers
>
> I am extremely new to this QRP that you speak of. I
> found this and it looked like something that might
> come in handy when testing stuff that I build.
>
> What do you think oh wise ones ?
>
> Shawn
> KC0RFC
>
> #Oscilloscope
> # 10Mhz bandwidth. It actually can show 20Mhz signals.
> # One measurement input channel, one external trig
> channel.
> # Voltage division: 5V to 5mV.
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> # Trig mode: auto, norm and TV.
> # Trig source: input signal, line and external.
> # Trig on rising or falling edge.
> # Coupling: AC/DC/GND.
> # One probe and manual included.
> # One year warranty.
> # Size: 9"x3.5"x11".
> # weight: 6 lb.
> # 110V power supply.

>
> -----
> Do you Yahoo!?
> Yahoo! Finance: Get your refund fast by filing online.
> <http://taxes.yahoo.com/filing.html>
>

Date: Mon, 9 Feb 2004 12:54:59 -0800 (PST)
From: Shawn Upton <kb1ckct@yahoo.com>
To: shawnqrp@yahoo.com
Cc: qrp-l@lehigh.edu
Subject: [167449] Re: Useful Oscilliscope
Message-ID: <20040209205459.89065.qmail@web60402.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Depends upon what you want to do--and what this model costs. It'll work ok for 7MHz stuff, but it might hide higher harmonic content if you were, say, checking the transmitter output for fun. For lower frequency stuff, it's probably fine. You're right, you'll be able to see higher frequency signals, but the amplitude will be less, and it will not be in proper phase.

Of course, if you are going to do more than poke around in an RF circuit, a two channel scope might be more useful.

But if it's cheap and you understand the limitations, it might work really good for low frequency stuff, and work decent enough for trouble shooting stuff up to maybe 20MHz.

Shawn

--- Shawn Qrp <shawnqrp@yahoo.com> wrote:
> Good afternoon oh wise QRPers
>
> I am extremely new to this QRP that you sheak of. I
> found this and it looked like something that might
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> KCORFC
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>
> -----
> Do you Yahoo!?
> Yahoo! Finance: Get your refund fast by filing
> online.
> <http://taxes.yahoo.com/filing.html>

=====

Shawn Upton, KB1CKT

Do you Yahoo!?
Yahoo! Finance: Get your refund fast by filing online.
<http://taxes.yahoo.com/filing.html>

Date: Mon, 09 Feb 2004 16:04:11 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [167450] Re: Buy items from people you don't know
Message-ID: <4027F5CB.1050404@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Just thought I would throw this in. I bought a "Sweish Key" from a ham

in Sweden on eBay, using Paypal. The auction even had the "Paypal Buyer Protection" emblem.

I never received anything.. Filed with Paypal, just got the results. The seller did not respond to them (never responded to my emails either), but since he only had \$6.49 in his Paypal account, that's all I get reimbursed. (It was \$79.95 with shipping).

As far as Paypla cares, end of story...

John W2AGN

Date: Mon, 09 Feb 2004 16:12:39 -0500
From: Lee Mairs <lmairs@direcway.com>
To: wlinn@smgazette.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167451] Re: Elmer 160: PIC-EL -- Manual
Message-ID: <01c401c3ef51\$7586e4f0\$6702a8c0@J4>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

I downloaded each section of the manual and reformatted into a Word document so that all the pictures fit on the right pages/ I didn't do every section, but I could send you what I have. If you force yourself to do only a section at a time, there is less likelihood of making a mistake. (Ed. note: It sounds good, but I still inserted a 100 ohm resistor in a 10K hole!)

73 de Lee
km4yy/8

----- Original Message -----

From: "Bill Linn" <wlinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, February 09, 2004 1:25 PM
Subject: Elmer 160: PIC-EL -- Manual

> Decided to open the bag and sort the parts... Discovered the on-line manual
> information. Now, is there a PDF or other file that I can download and
> print before starting the project. (My work bench isn't equipped with
> internet service.) Or, are folks just loading each section and printing
> from there?
>
> Just looking for the most best way to get the manual into printed form so

I
> can get started.
>
> Thanks,
> Bill - W7WEL
>
> ---
> [SMGazette.com E-mail is scanned for viruses by Declude Virus]
> [Visit us on the web at SMGazette.com]
>
>

Date: Mon, 09 Feb 2004 15:24:43 -0600
From: Kenneth Laine Ketner <ketner@arisbeassociates.com>
To: qrp list <qrp-l@Lehigh.EDU>
Subject: [167452] ONER pa
Message-ID: <4027FA9B.3F083535@arisbeassociates.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: quoted-printable

Greetings Gurus of small:

I have cobbled together a ONER TX. I got it going , but at ONETHIRDER (1/3 watt) output. This is probably because I couldn't find a vn10km (or vn10km), so I subbed a NTE 490 which seemed close (also Fairchild BS170 appears to be like the 490, and is rated around 800 mw).

If anyone off hand knows what might be a good sub for the vn10km that would give one watt output, please respond off list. I have my qrp1 set to digest because I don't have time to read many mails per day, but do like to read a few.

many thanks
--

Ken Ketner
ARS KA5ELD (Extra Class) GQRP # 809
Personal Webpage: <http://www.wyttynys.net>
Office Webpage: <http://www.pragmaticism.net>
Email:
home: ketner@arisbeassociates.com
office: kenneth.ketner@ttu.edu

US MAIL
PO Box 65135
Lubbock, TX 79464

Date: Mon, 9 Feb 2004 15:47:42 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [167453] Truffle announcement
Message-ID: <003d01c3ef56\$5a680be0\$7238d90c@mchsi.com>

OH goody: It's coming up on Truffle / Fox night again.
This will be my second of a double header. Here's hoping it goes as
well as the Pro Bowl went last night. LOL

I'll be hanging around the usual spot so warm up those keys and get
ready for the Foxii by giving me a good workout. Somewhere above
7040 and I'll go to splits only if things get real busy.

The usual exchange is in place RST SPC NAME PWR /
FP NR

I will send " K " after the call sign I'm working so you will know
I've returned to you. I will send TU to end the contact and at
that point the rest of you can give it your all.

Here's hoping for some good propagation:

72 es oo Jerry N0JRN
FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8
<http://home.mchsi.com/~n0jrn>

Date: Mon, 9 Feb 2004 16:50:04 -0500
From: Michael Babineau <michael.babineau@sympatico.ca>
To: Jerry Haigwood <w5jh@swlink.net>
Cc: qrp-l@Lehigh.EDU
Subject: [167454] Re: [Fwd: Feedline Loss; CPU Ribbon OK IF!]
Message-ID: <EB7EA5B0-5B49-11D8-A274-00039309268A@sympatico.ca>
Content-Type: text/plain; charset=US-ASCII; format=flowed

Mime-Version: 1.0 (Apple Message framework v553)
Content-Transfer-Encoding: 7bit

Thanks Gerry. This is exactly what I was looking for.
I'm copying the list for the benefit of anyone else interested.

I knew that this had been discussed in the past but lost track
of the final result of the discussions.

Cheers :

Michael VE3WMB

On Monday, February 9, 2004, at 11:49 AM, Jerry Haigwood wrote:

> Michael,
> Ed Loranger did a lot of testing of various configurations of
> computer ribbon cable used as feedline. What he discovered is that if
> you use 4 conductor ribbon cable and use the outside 2 conductors as
> your balanced feedline, it works well. He cites a loss at 30 MHz of <
> .5 db. I have attached his original QRP-L post.
> Jerry W5JH
>
>
> From: Ed Loranger <we6w@netzero.net>
> Date: Mon Jan 24, 2000 2:49:41 PM America/Montreal
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: Re:Feedline Loss; CPU Ribbon OK IF!
> Reply-To: we6w@netzero.net
>
>
> Wow gang, we've got it. The configuration where the
> ribbon cable is GOOD!
>
> I got an email from Roy asking about 4 wires of the ribbon
> cable with only the 2 outside wires used. He asked for
> other configurations but they didn't pass muster.
>
> I measured the 37.5 feet of ribbon line for impedance
> using the $\sqrt{L/C}$ as before. I got 181 Ohms
> whether I used two adjacent wires or the two wires
> furthest apart. That correlates with my prior measurements
> here at 30 MHz. So far so good.
>
> I then measured the resistor load SWR for Z1 and
> it was 5.0 at 30 Mhz on a 50 Ohm output RF-1 analyzer.
>
> I connected the 180 Ohm resistor to the outside wires at
> the end of the cable and got a line input SWR of 4.6

>
> Using the formula posted yesterday, the loss is ==> 0.16 dB
>
> That's pretty good. Twinlead and teflon twisted wire is still
> better, and the ribbon line is #28 AWG, but this is not bad.
>
> I connected up the 2 middle wires and it was horrible. I then
> paralleled up two wires on each side of the middle to try that
> out.
>
> Results for 4 wire using 2 in parallel, each side:
> LOSS=1.25 dB --> HORRIBLE.
>
> SO! Bottom line, I would try a 4 wire section of the ribbon
> line, no need to remove the inner wires. You may create
> resonances if you do cut them out window style. ONLY
> USE THE TWO OUTSIDE WIRES FOR FEEDLINE.
>
> Loss/100 feet is: .43 dB @ 30 MHz.
>
> Perspective:
> Teflon twisted wire: .05 dB Max for 37.5 feet. (.13 dB/100Ft.)
> R/S 300 Ohm twin: .1 dB at 37.5 Feet. (.266 dB/100Ft.)
>
> Regards, Ed/we6w "72"
> --
> 72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
> <http://www.qsl.net/we6w> Santa Rosa, CA
> QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227
>
>
> -----
> NetZero - Defenders of the Free World
> Get your FREE Internet Access and Email at
> <http://www.netzero.net/download/index.html>
>
>
>

Date: Mon, 9 Feb 2004 15:49:49 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [167455] Solder Lugs
Message-ID: <004301c3ef56\$a5d60b40\$7238d90c@mchsi.com>

Anybody know a good place to pick up some solder lugs cheap?????/

RS doesn't carry them anymore and I'm not finding anything on e-rip.
I see Ocean States has them listed but not at a real cheap price.

Any ideas?????

Thanks:

72 Jerry NOJRN
FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8
<http://home.mchsi.com/~n0jrn>

Date: Mon, 9 Feb 2004 16:05:20 -0600
From: George Fremin III <geoiiii@kkn.net>
To: Dennis Ponsness <wb0wao@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167456] Re: Contesting Rules and QRP - New Topic
Message-ID: <20040209220520.GB2299@kkn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sun, Feb 08, 2004 at 11:36:35PM -0500, Dennis Ponsness wrote:

> Am I the only one who thinks that the rules need to be changed in regards
> to entry classes in the "major events"? First of all, for those that do
> enjoy SSB QRP, shouldn't the power level be changed to 10w PEP per the
> QRP-ARCI "standard" rather than the 5w level now? I agree on the 5w for CW
> as that is the standard, but SSB needs to have it the level raised up to
> 10w IMHO.

I have always wondered by the ARCI had SSB QRP at 10 watts.

Why is that?

Does it go back to the day when the FCC rules for CW and SSB
power output was different?

I think it makes sense for the power to be the same. It should
be 5 watts for both modes. In all the other power categories
in these contests they power is the same for SSB and CW ... if
you have a 100 watt or 150 watt low power category it is the

same for SSB and CW ... not 150w for CW and 300w for SSB.

>
> Second, I think that there currently exists a problem with the entry
> classes in the "majors" for Single Op Assisted. I know that some view the
> use of "spotting networks" as a tool of the devil, but QRPer's that would
> like to/do use them are in the same "class" as those using them and running
> full legal limit! In the Single Op Unassisted classes, they have power
> levels - QRP, Low and High - but there are no power levels in Single Op
> Assisted classes. I think that this is just flat out wrong! If there
> exists a need for separate categories in SO Unassisted to "level the
> playing field", then there should also be separate categories in SO Assisted
> for the same reason. I can understand them having separate classes for SO
> because of the "advantage" that using a network gives - but I don't think
> that it is enough of an advantage to put a 5w station on par with a station
> running a KW!
>

I can see your point but most of these categories have grown over time and in the case of the assisted categories they were the most recently tacked on to the rules. I am sure part of it is just not wanting to have too many categories that have only a few people in them.

--

George Fremin III - K5TR
geoiiii@kkn.net
<http://www.kkn.net/~k5tr>

Date: Mon, 09 Feb 2004 16:52:42 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: lmairs@direcway.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [167457] Re: Contesting Rules and QRP - New Topic
Message-ID: <4028012A.D28BDA0C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lee,

There will never be a "level playing fields" between the various

classes. The very purpose of the class system denies this. The class system was designed to allow competitors of various levels to have individual scores count for awards WITHIN the class. What's so bad about winning your class?

How can a QRPer compete against W3LPL? He would not only have to have a stupendous antenna system, he would have to run QRO! And he would have to have multiple operating positions. A large price to pay to come in second!

Bruce

>
> If you talk about a level playing field, then you will need to have a
> special multiplier for QRP that is large enough so that the total score is
> competitive with the big guns. Likewise, there ought to be a big multiplier
> for wire antennas vs. tower mounted arrays. And maybe a multiplier for slow
> CW speed, laryngitis, straight keys, an XYL who bitches about spending money
> on radio... and the beat goes on...
>
> My point is that there will never be a "level playing field". If you
> really want to take contesting seriously you have to open your wallets,
> dedicate all your spare time, and jump in with the big guys like Frank,
> W3LPL. How does that saying go about tall grass and running with big dogs?
>
> On the other hand (I'm an economist), contest operating can be great fun
> just trying to beat last year's score, snag some new DX, or check out
> changes to the station. Informal competition between several buddies (list
> members) can also get the adrenaline flowing.
>
> 73 de Lee, KM4YY/8
> PVRC
>
> ----- Original Message -----
> From: "Dennis Ponsness" <wb0wao@hotmail.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Sunday, February 08, 2004 11:36 PM
> Subject: Contesting Rules and QRP - New Topic
>
> > What follows is NOT related to the previous topic on contesting <grin>!
> >
> > Am I the only one who thinks that the rules need to be changed in regards
> to
> > entry classes in the "major events"? First of all, for those that do
> enjoy
> > SSB QRP, shouldn't the power level be changed to 10w PEP per the QRP-ARCI
> > "standard" rather than the 5w level now? I agree on the 5w for CW as that
> > is the standard, but SSB needs to have it the level raised up to 10w IMHO.

> >
> > Second, I think that there currently exists a problem with the entry
> classes
> > in the "majors" for Single Op Assisted. I know that some view the use of
> > "spotting networks" as a tool of the devil, but QRPer's that would like
> > to/do use them are in the same "class" as those using them and running
> full
> > legal limit! In the Single Op Unassisted classes, they have power
> levels -
> > QRP, Low and High - but there are no power levels in Single Op Assisted
> > classes. I think that this is just flat out wrong! If there exists a
> need
> > for separate categories in SO Unassisted to "level the playing field",
> then
> > there should also be separate categories in SO Assisted for the same
> reason.
> > I can understand them having separate classes for SO because of the
> > "advantage" that using a network gives - but I don't think that it is
> enough
> > of an advantage to put a 5w station on par with a station running a KW!
> >

Date: Mon, 9 Feb 2004 17:02:27 EST
From: W0rw@aol.com
To: qrp-l@lehigh.edu
Subject: [167458] Tilted KX1 Holder
Message-ID: <131.29c31163.2d595d73@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The old 3M 'Post-it Notes' holder (Model C-45) holds the KX1 really nicely on your desk at a 15 degree tilt.

The KXPD1 paddle is right in the correct position for sending.

There are several variations of this Post-it holder, so you might have to make modifications to the bottom lip of the Post-it holder, (like cut a slot for the paddle).

Paul W0rw

Date: Mon, 09 Feb 2004 17:21:22 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-1@lehigh.edu
Subject: [167459] Re: Buy items from people you don't know
Message-ID: <402807E2.8000401@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Just an update on this. Talked to my Credit card folks. The rep was familiar with Paypal, and said it is a waste of time to go through their complaint process. Just go the the Credit Card company, and they will cancel the Payment, and leave Paypal to deal with the seller, as it should be.

John W2AGN

Date: Mon, 09 Feb 2004 22:26:48 +0000
From: Larry Cahoon <lejek@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167460] Re: Contesting Rules and QRP - New Topic
Message-ID: <5.1.0.14.0.20040209221332.01f89f70@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
> >
> > entry classes in the "major events"? First of all, for those that do enjoy
> > SSB QRP, shouldn't the power level be changed to 10w PEP per the QRP-ARCI
> > "standard"
> >
> 10 watts vs 5 watts is only a 3 dB improvement. After the fuss we made
> to have QRP classes included, it might meet with rejection.
> >
> > Second, I think that there currently exists a problem with the entry
> classes
> > in the "majors" for Single Op Assisted.
> >
> As a traditional contester I think all you guys that use spotting nets
> should be disqualified, but since they won't do that, a separate class
> is a decent solution. I don't know what percentage of QRP operators vs
> others there are. I suspect it is too much trouble to separate out the
> QRPers.

Let me take a different view. Back when I was chasing 5BDXCC and 5BWAS I

would play in the contest with packet on the side. I even won the section that way one time low power packet assist. I always figured I got the wallpaper because someone else didn't admit that they used packet. In the end I concluded that for the most part following the spots and spending time going after someone who was spotted lowered my score. It may help the KW club but at low power and more so running QRP fighting the pileups resulting when the guy was spotted just seemed slowed things down.

I did the packet to get the new state or country on another band. I never expected to win anything, but it would have been nicer to get a higher score, and packet seemed to hold it back. So I would not mind at all if the just didn't worry about guys using packet.

Along the same lines I hated the way something like sweepstakes did not support 5BWAS. You can work the guy once and that is it. So I found my self unwilling to send CQ on Saturday afternoon for fear I would reel in someone in a state I needed on 80 meters. So I would play search and pounce all of Saturday, then run on 40 or 80 meters during the night. The next day I was more willing to run on the higher bands. But I'm sure what I did on Saturday hurt my score. But given the rules I made a decision on what my priorities were and stuck with them.

Sometimes I just wish the rules reflected what the new guys are after and would recognize that the highest score is not the priority of most guys out there in the contest. More usually its getting the new state or county and the score is a nice side benefit.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

Date: Mon, 09 Feb 2004 22:36:42 +0000
From: rjohnson390@comcast.net
To: benlightnd13@mchsi.com
Cc: "Jerry Ford" <benlightnd13@mchsi.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167461] Re: Solder Lugs
Message-ID: <020920042236.24423.5ee8@comcast.net>

Check Dan's Small Parts.
<http://www.danssmallpartsandkits.net/>

cheers,
rich
> Anybody know a good place to pick up some solder lugs cheap?????/

>
> RS doesn't carry them anymore and I'm not finding anything on e-rip.
> I see Ocean States has them listed but not at a real cheap price.
>
> Any ideas?????
>
> Thanks:
>
> 72 Jerry N0JRN
> FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
> Springfield, Mo. MP + #8
> <http://home.mchsi.com/~n0jrn>
>
>

Date: Mon, 09 Feb 2004 17:39:57 -0500
From: Michael Neverdosky <mikenever@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [167462] Re: Solder Lugs
Message-ID: <40280C3D.BF6E6633@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I usually get them at surplus houses like Skycraft in Orlando.
Cheap crimp lugs can be used also.

good luck

michael N6CHV

Jerry Ford wrote:

>
> Anybody know a good place to pick up some solder lugs cheap?????/
>
> RS doesn't carry them anymore and I'm not finding anything on e-rip.
> I see Ocean States has them listed but not at a real cheap price.
>
> Any ideas?????
>
> Thanks:
>
> 72 Jerry N0JRN
> FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
> Springfield, Mo. MP + #8
> <http://home.mchsi.com/~n0jrn>

Date: Mon, 9 Feb 2004 17:40:40 +0000
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [167463] Homebrewer #2 UpForGrabs
Message-ID: <20040209.174142.-315199.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Got all the projects I can handle at this time.

Using three dice I rolled a three digit number (encoded below)
guess the closest and #2 is headed your way, I pay postage.

John
N3AAZ

EBHHK
OUNDM
ABUFV
OCOZS
ACGGH

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Date: Mon, 9 Feb 2004 16:03:52 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [167464] FOX: Fox message for K5DI
Message-ID: <Pine.LNX.4.44.0402091603110.5286-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tomorrow at the International date/time of Feb 11 2004 at 0200-0400Z
which is Tuesday evening here in the USA I will have the pleasure of being a
Fox again. My fellow Fox Tom, KV2X in NY will be operating below 7.040 MHz
so I Karl, K5DI in NM will hold forth from above that frequency.

I will use the standard Fox method of listening above my frequency for the Hounds. I will call the Hound and send him his numbers from me and then his call again and a break. The Hound will send me his numbers in the form 559 state name power and then a break. If I got everything I will send TU. If I missed the state I will send state? If I missed the name I will send name? If I missed your power I will send power? This is how it works.

From time to time I will monitor my own frequency. If a QRO station plants himself on that frequency I will move, usually up. Also I will, from time to time work Hounds on my frequency. Please do NOT pile on to that frequency when I finish, because I will be listening elsewhere. The best way to get me to call you is to be on a frequency above mine and NOT where I just worked someone. I will assure you my method is simple. I tune around and find a station I can copy and 4 stations on the same frequency I cannot copy....:-)

My receiver is a Yaesu FT-817 with the Collins mechanical 500 Hz filter and the AGC turned off, with a 10 DB attenuator in place and the pre-amp off. I drive the rf gain control and wear earphones. My antenna is a Butternut vertical on the roof with 4 tuned radials.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 09 Feb 2004 18:09:13 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: benlightnd13@mchsi.com,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167465] Re: Solder Lugs
Message-ID: <3.0.6.32.20040209180913.007b65c0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Anybody know a good place to pick up some solder lugs cheap?????/
>

Humm, guess no one uses them anymore...
I use a wire crimp lugs

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Mon, 9 Feb 2004 16:17:21 -0700
From: Chad Nelson <galahad@boisecenter.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [167466] SDR-1000 flex-radio questions
Message-ID: <1C8F01B0-5B56-11D8-9A38-000A9570F152@boisecenter.net>
Mime-Version: 1.0 (Apple Message framework v553)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Hello all,

Searching the archives it appears that a few of you have already started playing with this radio, I was wondering what your general impressions would be in using this as your main rig, as a first time full coverage rig and for someone who is not a programming wizard.

My other thought is would it be posable to power it directly from your pc's power supply, last year I built up a mini-itx board into an ammo

can and with the proper shielding think I could squeeze the radio in with it making a somewhat portable system.

Thank you for your thoughts.

NO ADVENTURE WITHOUT ADVERSITY
Chad Nelson Boise Idaho U.S.A KD7FDU

Date: Mon, 09 Feb 2004 16:42:36 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [167467] Re: Buddipole configuration
Message-ID: <4027FECC.7B9A21D8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alan, did I read you right when you said gain from a Buddipole? At exactly what frequency are you showing gain? And how are you modelling the combination of coils and telescoping whips?

If the Buddipole is a true dipole, without any built in amplifiers, it will have a maximum gain of ONE. Any apparent gain you see in your models is because of pattern shaping. Pattern shaping is very difficult to do with only the single element.

Also, I don't know of any common modelling program that lets you account for coils.

Bruce

Date: Mon, 9 Feb 2004 17:28:11 -0600
From: "Jim Sheldon" <w0eb@cox.net>
To: "Flying Pigs Mailing List" <fpqrp-l@mpna.com>,
"QRP-L Mailing List" <qrp-l@Lehigh.EDU>
Subject: [167468] RE: Solder Lugs
Message-ID: <IBEGLCMLCDHHEFLBPHBOIECNDBAA.w0eb@cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have had trouble finding solder lugs too. I have a friend that works for an avionics shop that scraps a lot of old stuff. Whenever they have un-repairable equipment they have to cut it up rather than throw it away. He usually manages to cabbage onto bad sub-assemblies for me. I part the stuff out mostly for hardware like lugs, standoffs, 2-56 and 4-40 hardware. I love the NyLok nuts in 4-40 and 2-56 that I can scrounge out of this stuff ..

When I can't get solder lugs, I have a 100 foot spool of #16 tinned copper wire. I form a loop in one end, and mount it under the screw. I then cut it off at the desired length plus 1/4" and form another smaller loop in the end that sticks out. Makes a dandy solder lug, and you can make the loose end loop pretty much any size you want depending on how many wires you want to solder to it. Not as pretty as commercial solder lugs, but MUCH cheaper.

Jim - W0EB
Wichita, KS

Date: Mon, 09 Feb 2004 17:32:05 -0600
From: "David Gauding" <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu

Subject: [167469] Re: Feedline Loss; CPU Ribbon OK IF!
Message-ID: <4028186c.3c1a.0@mail.slacc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael,

You might want to review several follow-up messages on QRP-L after WE6W's posting on using 4-conductor ribbon cable to reduce losses - compared to two conductor ribbon.

>From memory only tonight - KK5MC/6 (Dr. Megacycle) advised that the lower losses in 4-conductor line were the result of a better impedance match between the antenna and the tuner.

I've used 2 and 4-conductor ribbon. I prefer the latter based on Jim Duffey's explanation.

Regards,

de Dave, NF0R david.gauding@bbs.galilei.com

Date: Mon, 9 Feb 2004 17:50:26 -0600
From: "w0oow" <w0oow@piperscreek.com>
To: <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [167470] Solder Lugs
Message-ID: <00b301c3ef67\$7eb0ece0\$6401a8c0@net.alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Try Newark for those solder lugs. Page 1971 in newest catalog or try
www.newark.com.
They are expensive though.
73.oow

End of QRP-L Digest 3191
